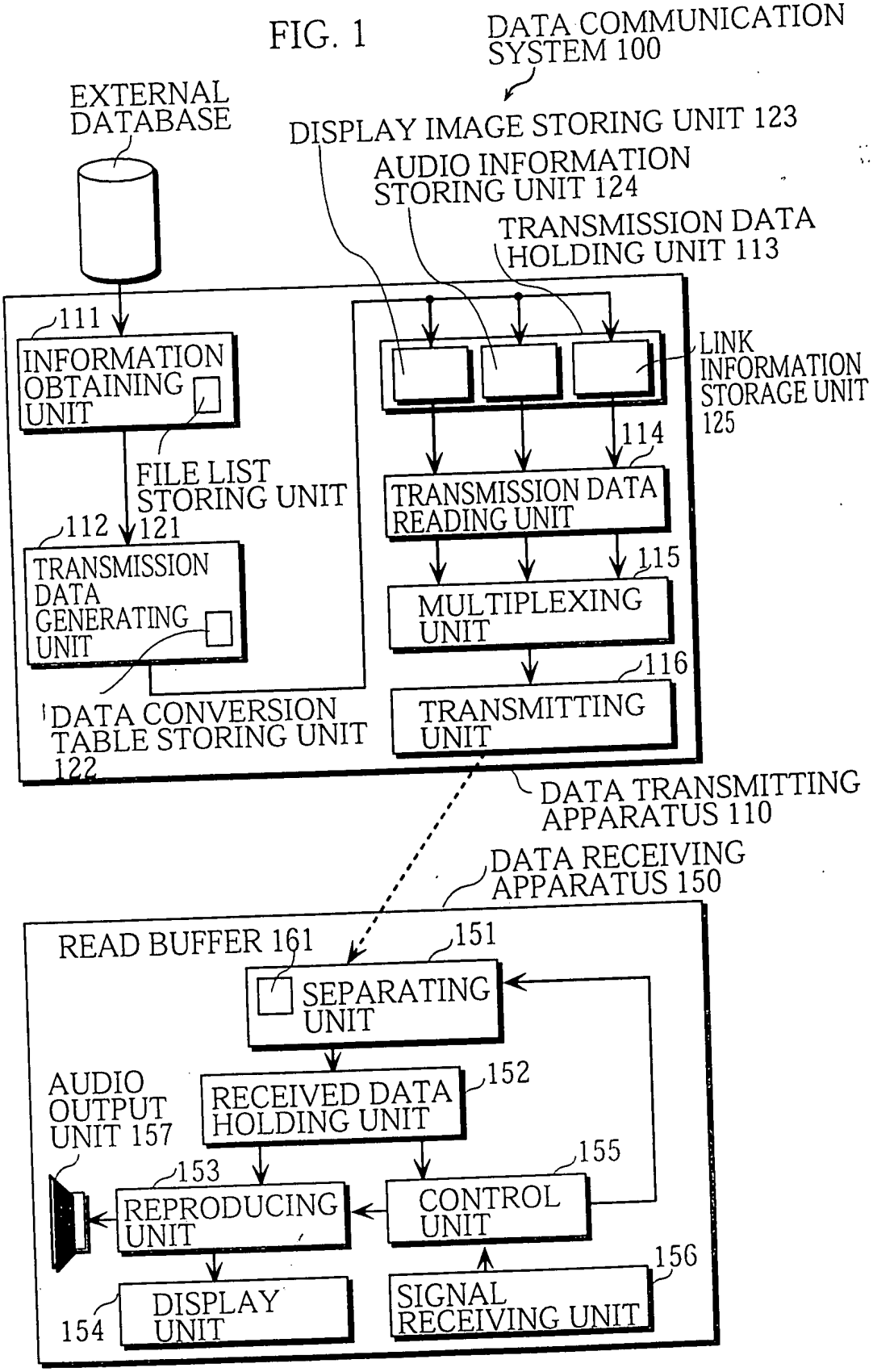
FIG. 1


DATA COMMUNICATION SYSTEM 100
EXTERNAL DATABASE
DISPLAY IMAGE STORING UNIT 123
AUDIO INFORMATION STORING UNIT 124
TRANSMISSION DATA HOLDING UNIT 113
111
INFORMATION OBTAINING UNIT
LINK INFORMATION STORAGE UNIT 125
114
FILE LIST STORING UNIT 121
TRANSMISSION DATA READING UNIT
112
TRANSMISSION DATA GENERATING UNIT
115
MULTIPLEXING UNIT
116
DATA CONVERSION TABLE STORING UNIT 122
TRANSMITTING UNIT
DATA TRANSMITTING APPARATUS 110
DATA RECEIVING APPARATUS 150
READ BUFFER 161
151
SEPARATING UNIT
AUDIO OUTPUT UNIT 157
RECEIVED DATA HOLDING UNIT
152
153
155
REPRODUCING UNIT
CONTROL UNIT
156
154
DISPLAY UNIT
SIGNAL RECEIVING UNIT

Z66250' 26059880

O.G. FIG.
BY CLASS SUBCLASS

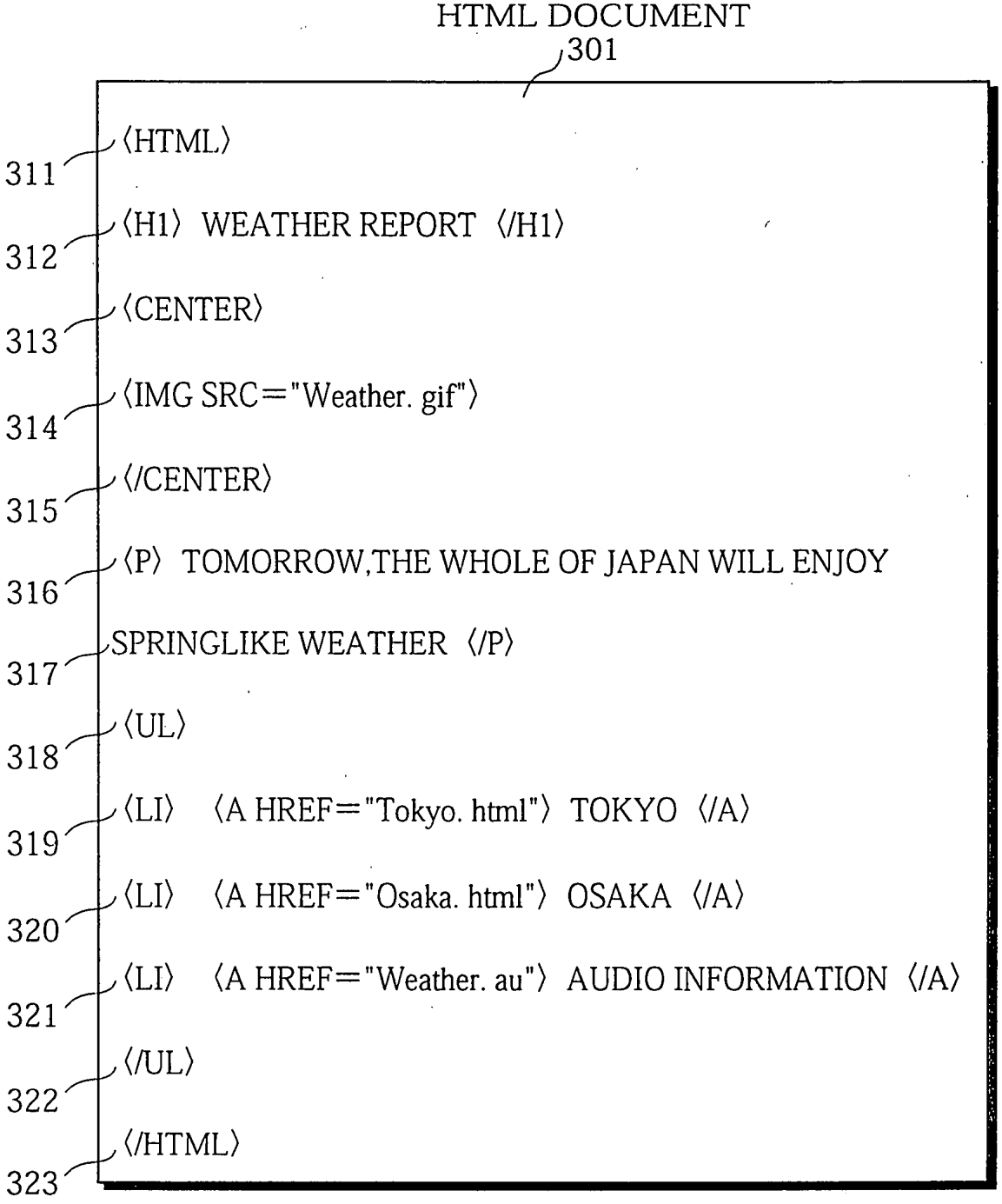
FIG. 2

FILE LIST 200

201 SERIAL NO.	202 ADDRESS	203 FILE NAME
0001	http : //www.wbc.com/main	Report.html Weather.gif Weather.au
0002	http : //www.wbc.com/sub1	Tokyo.html
0003	http : //www.wbc.com/sub1	Osaka.html
⋮	⋮	⋮

C.G.FIG. CLASS SUBCLASS

FIG. 3

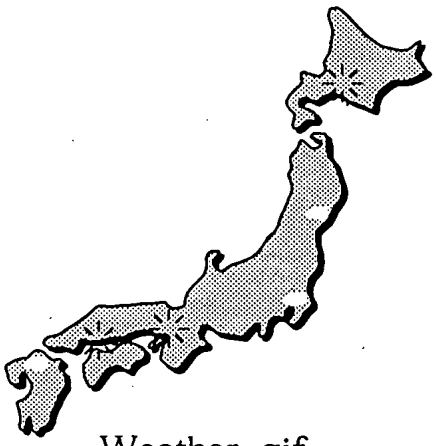


Report. html

"96250"25059880

FIG. 4

401 IMAGE INFORMATION



Weather. gif

FIG. 5

HTML DOCUMENT 501

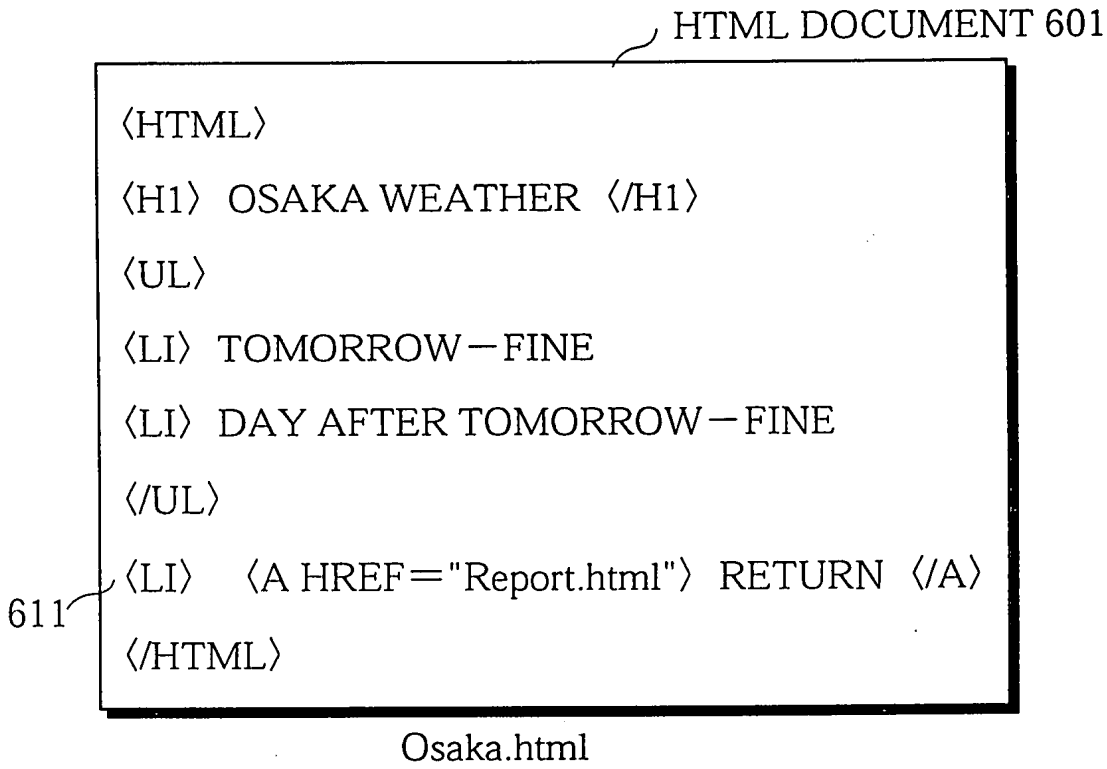
```
〈HTML〉
〈H1〉 TOKYO WEATHER 〈/H1〉
〈UL〉
〈LI〉 TOMORROW－FINE
〈LI〉 DAY AFTER TOMORROW－FINE
〈/UL〉
〈LI〉 〈A HREF＝"Report.html"〉 RETURN 〈/A〉
〈/HTML〉
```

511

Tokyo.html

O.G. FIG.
CLASS
SUBCLASS
BY

FIG. 6



466250 26059880

O.G. FIG.
CLASS | SUBCLASS

FIG. 7

LINK INFORMATION TABLE 700

	FORMAT
INDEX INFORMATION (701)	⟨INDEX=9999⟩
HOT SPOT INFORMATION (702)	⟨HOTSPOT X=999,Y=999,GO_TO_PAGE(9999)⟩

("9" REPRESENTS A DECIMAL DIGIT)

0.6.F.S. CLASS SUBCLASS
BY
2662250 26058880

FIG. 8A

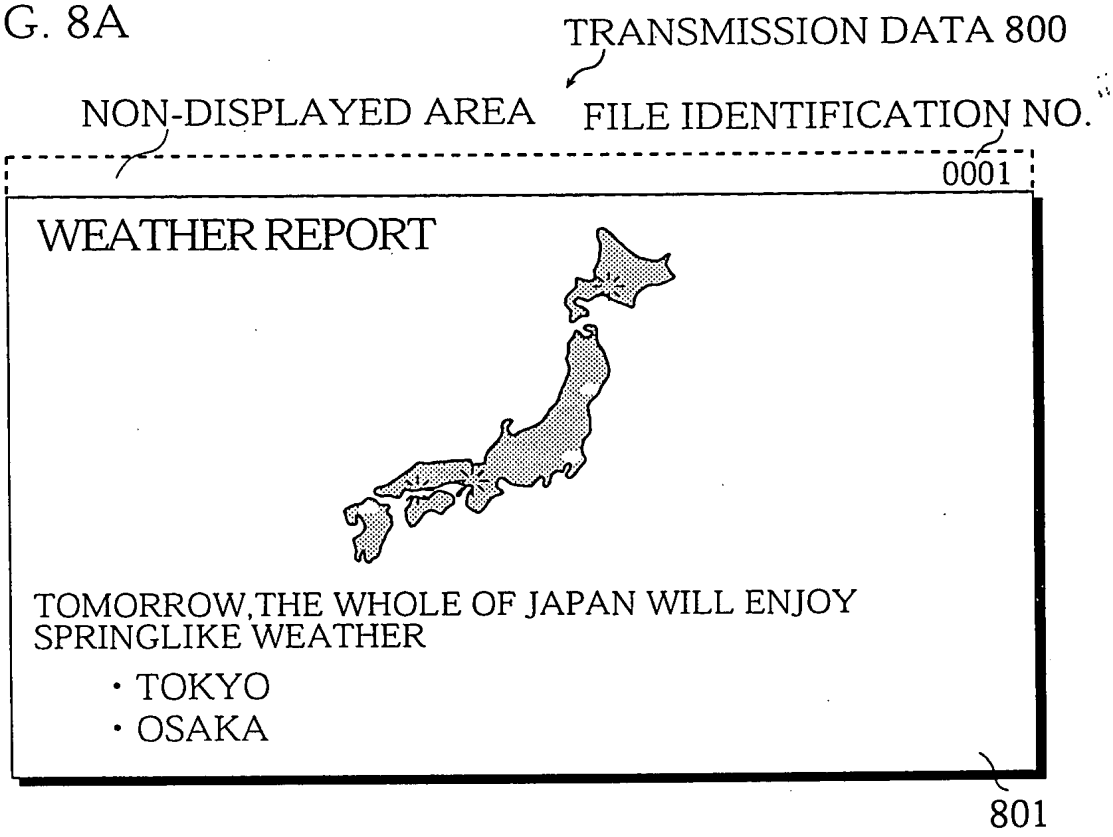


FIG. 8B

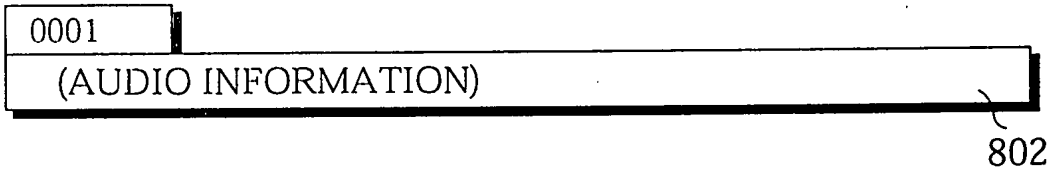
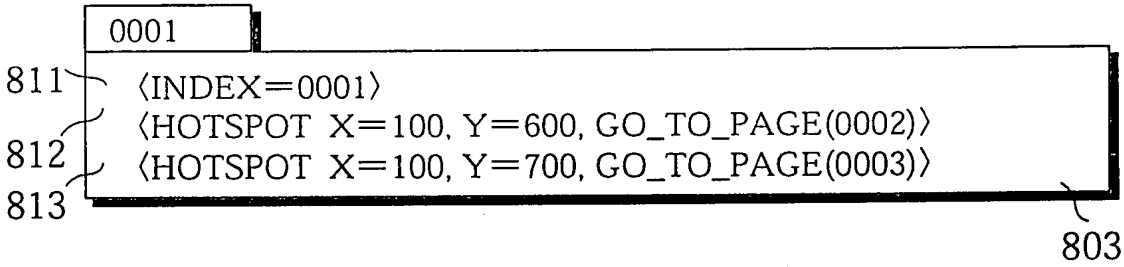


FIG. 8C



C.S. FIG.
CLASS SUBCLASS
BY

6625026 05/99 90

FIG. 9A

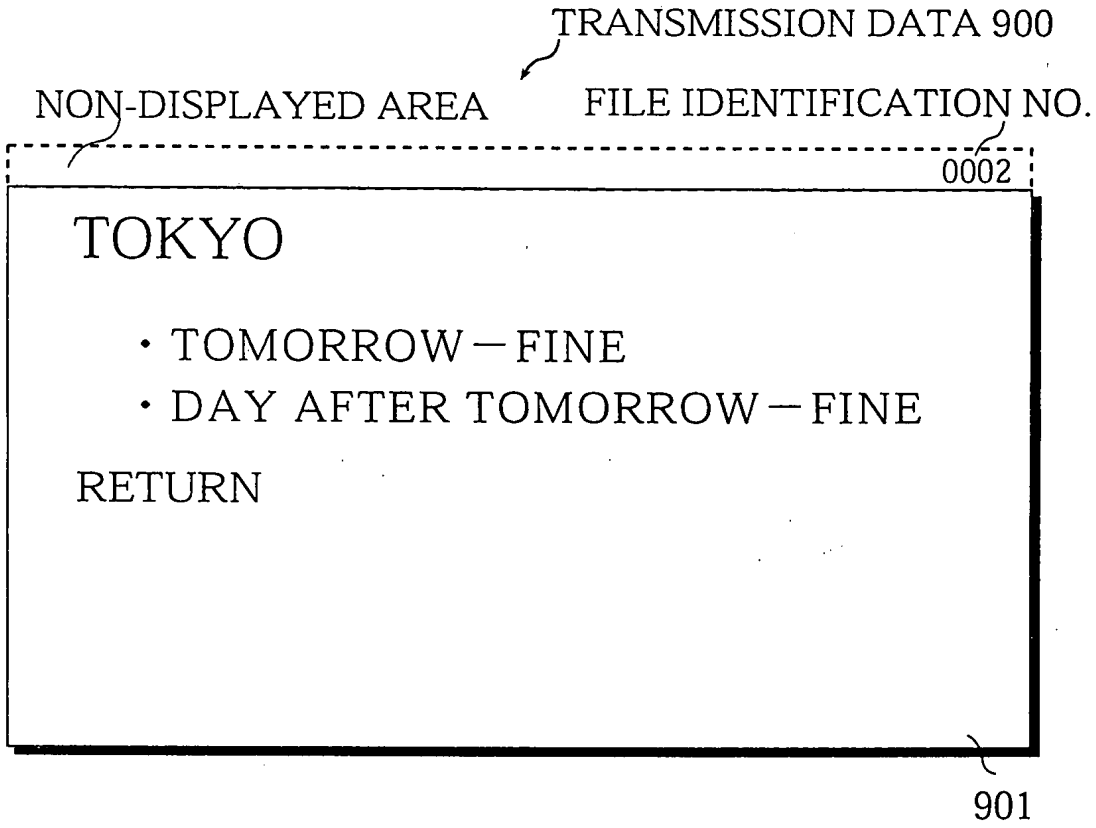
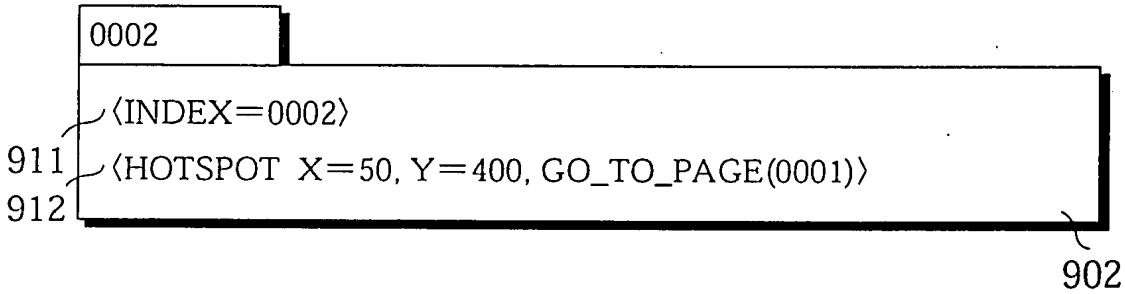


FIG. 9B



O.G. FIG. SUBCLASS CLASS BY

FIG. 10A

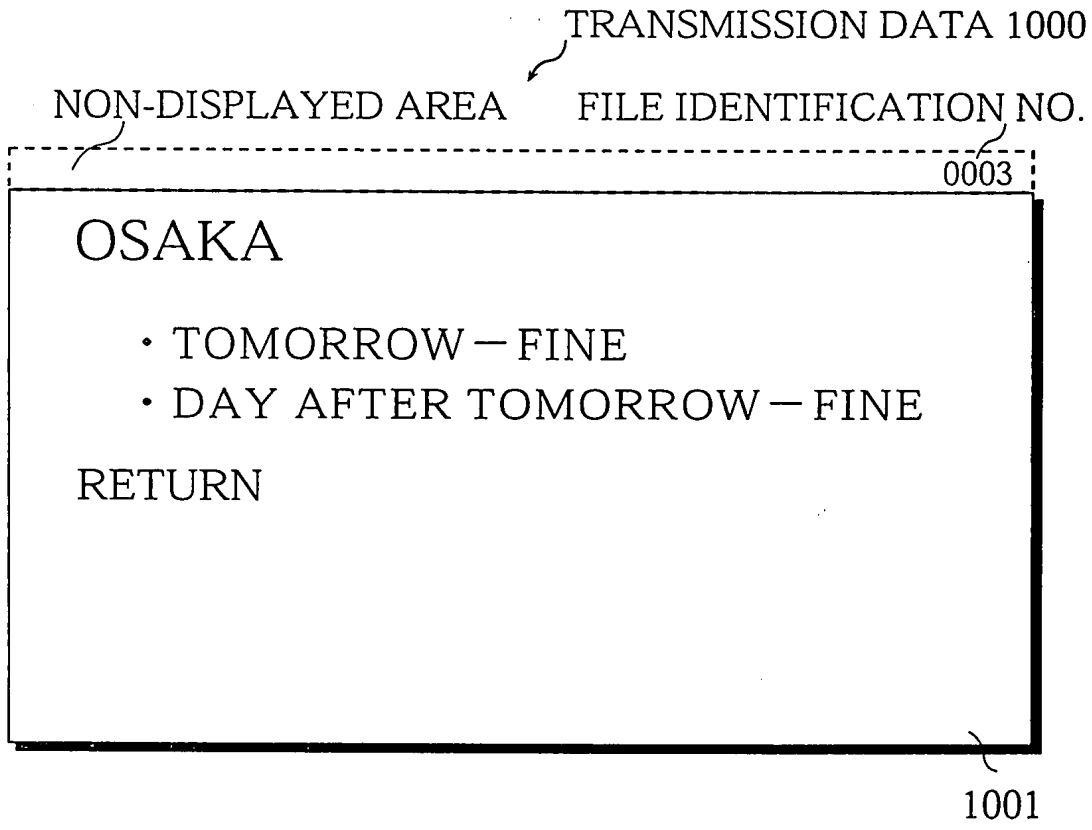
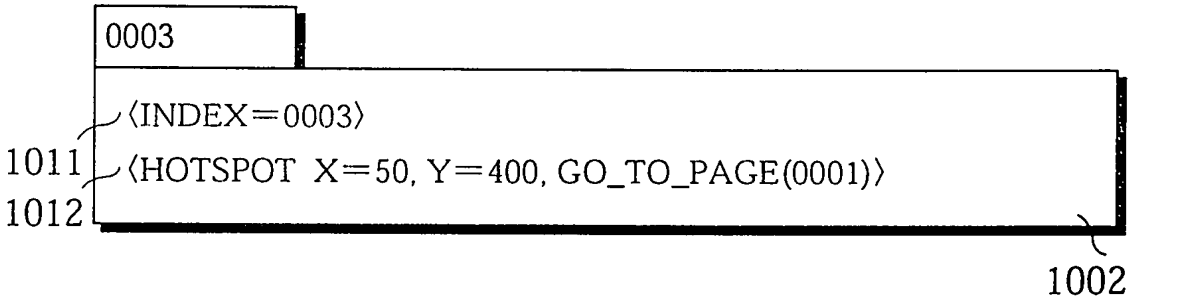


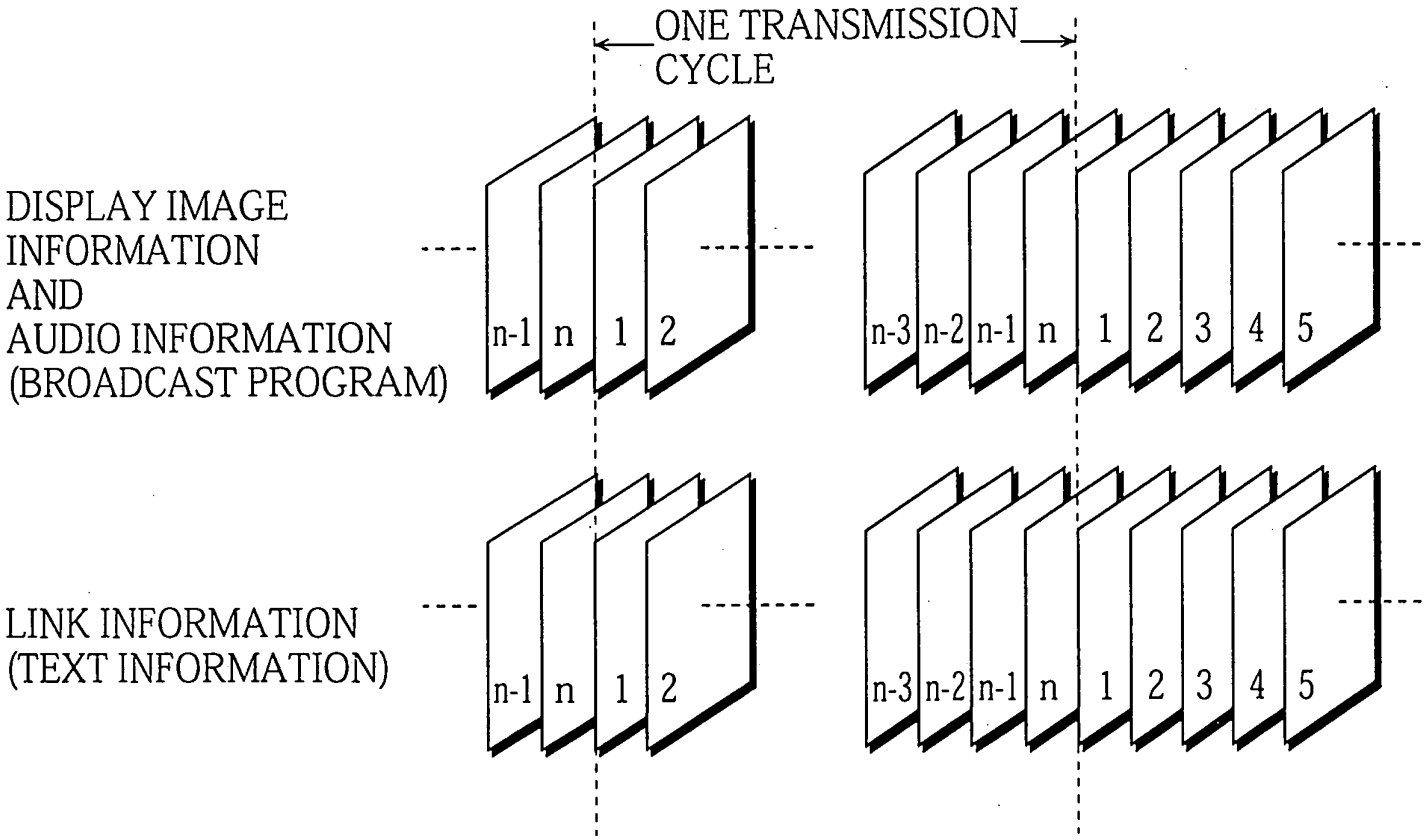
FIG. 10B



2662250 2605980

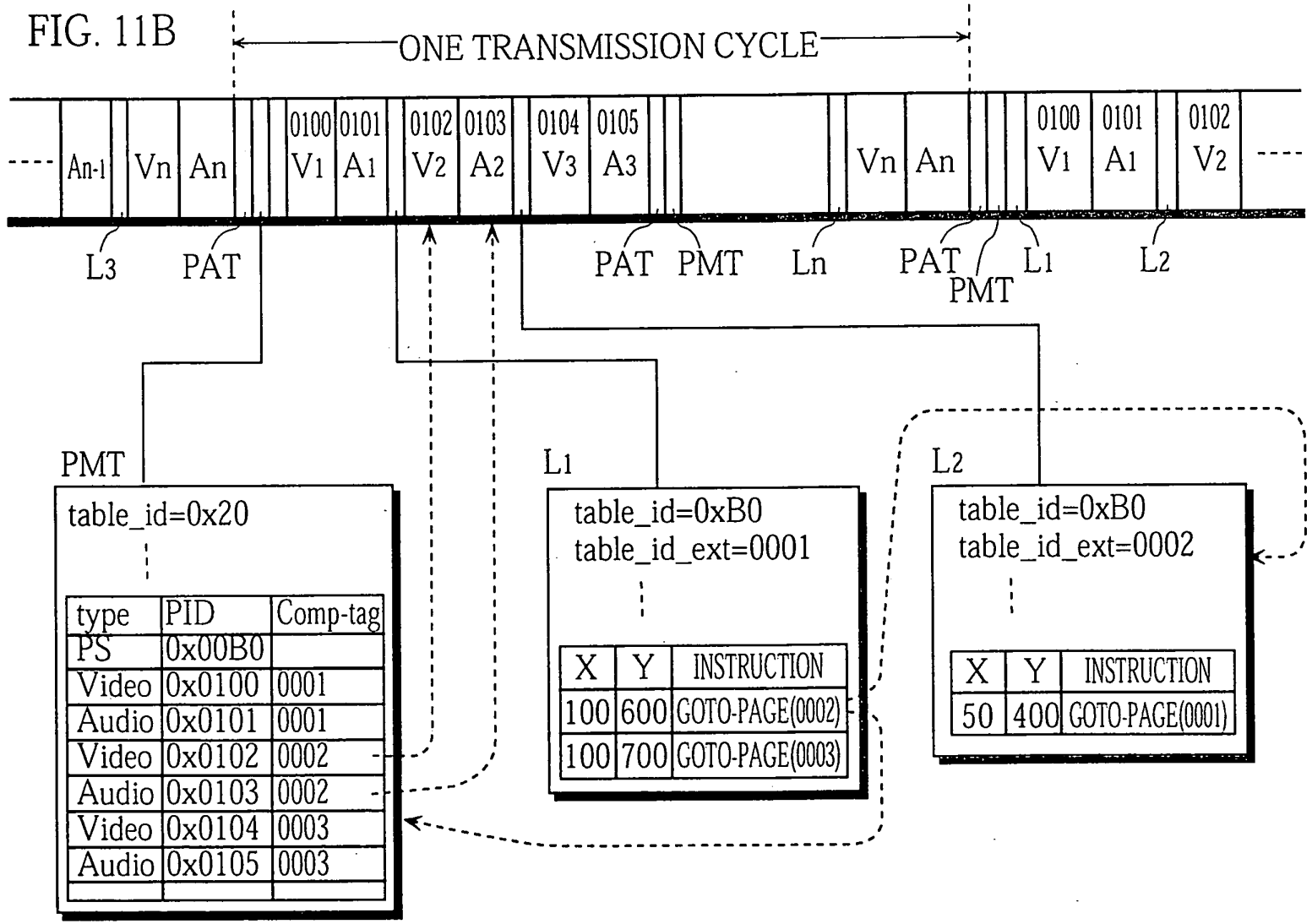
C.G. FIG.
BY
CLASS
SUBCLASS

FIG. 11A



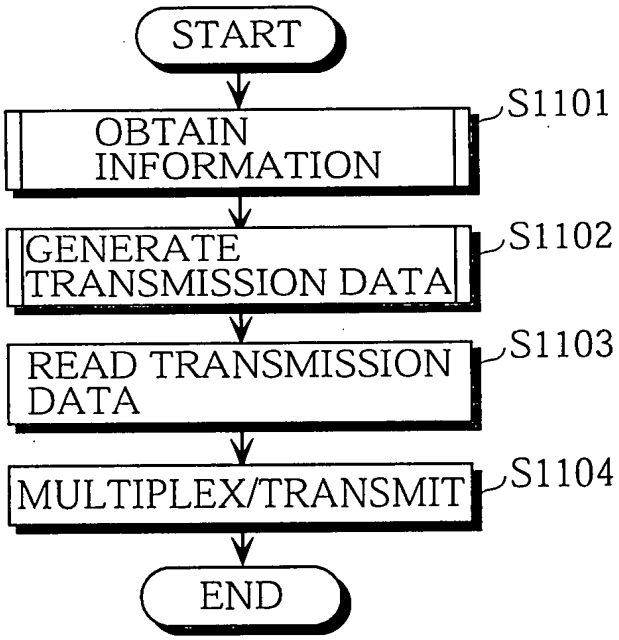
APPROVED BY O.G. FIG. CLASS SUBCLASS

FIG. 11B



CLASS SUBCLASS

FIG. 12



O.G. FIG.
CLASS / SUBCLASS

FIG. 13

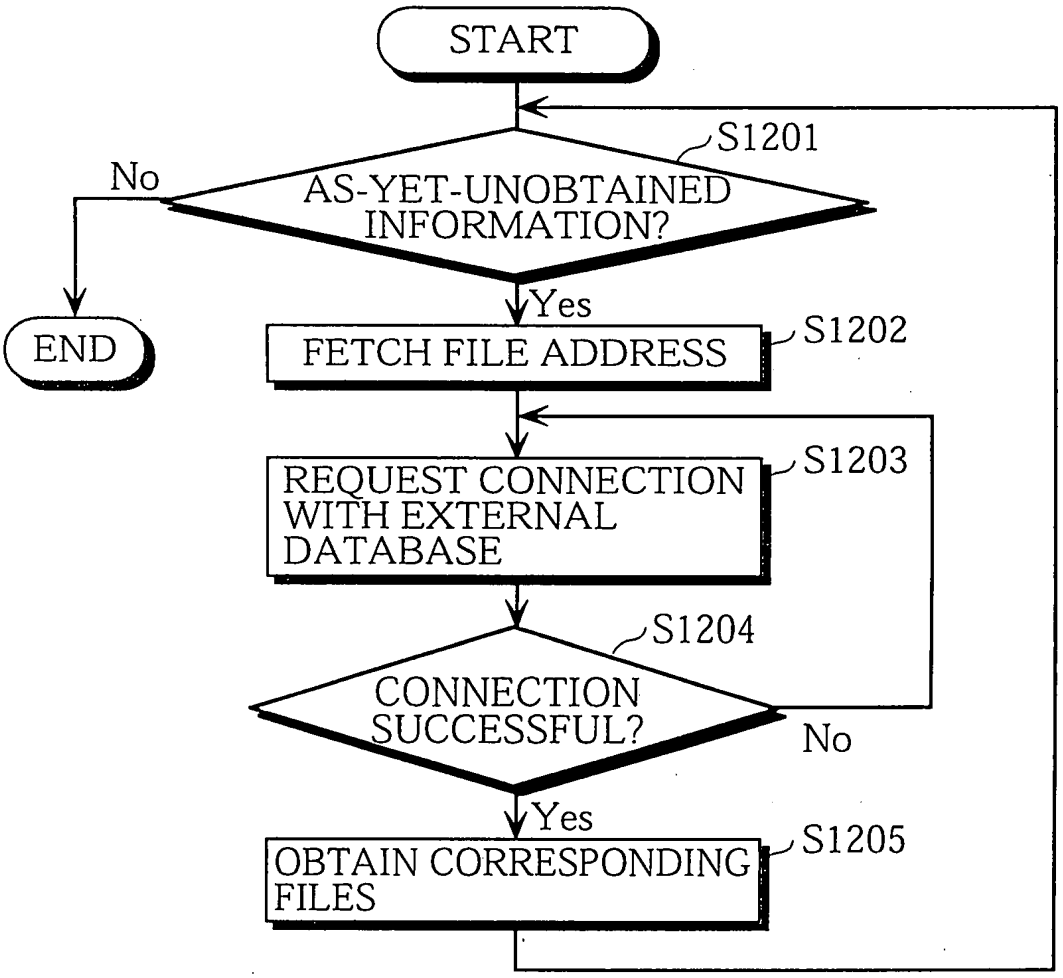
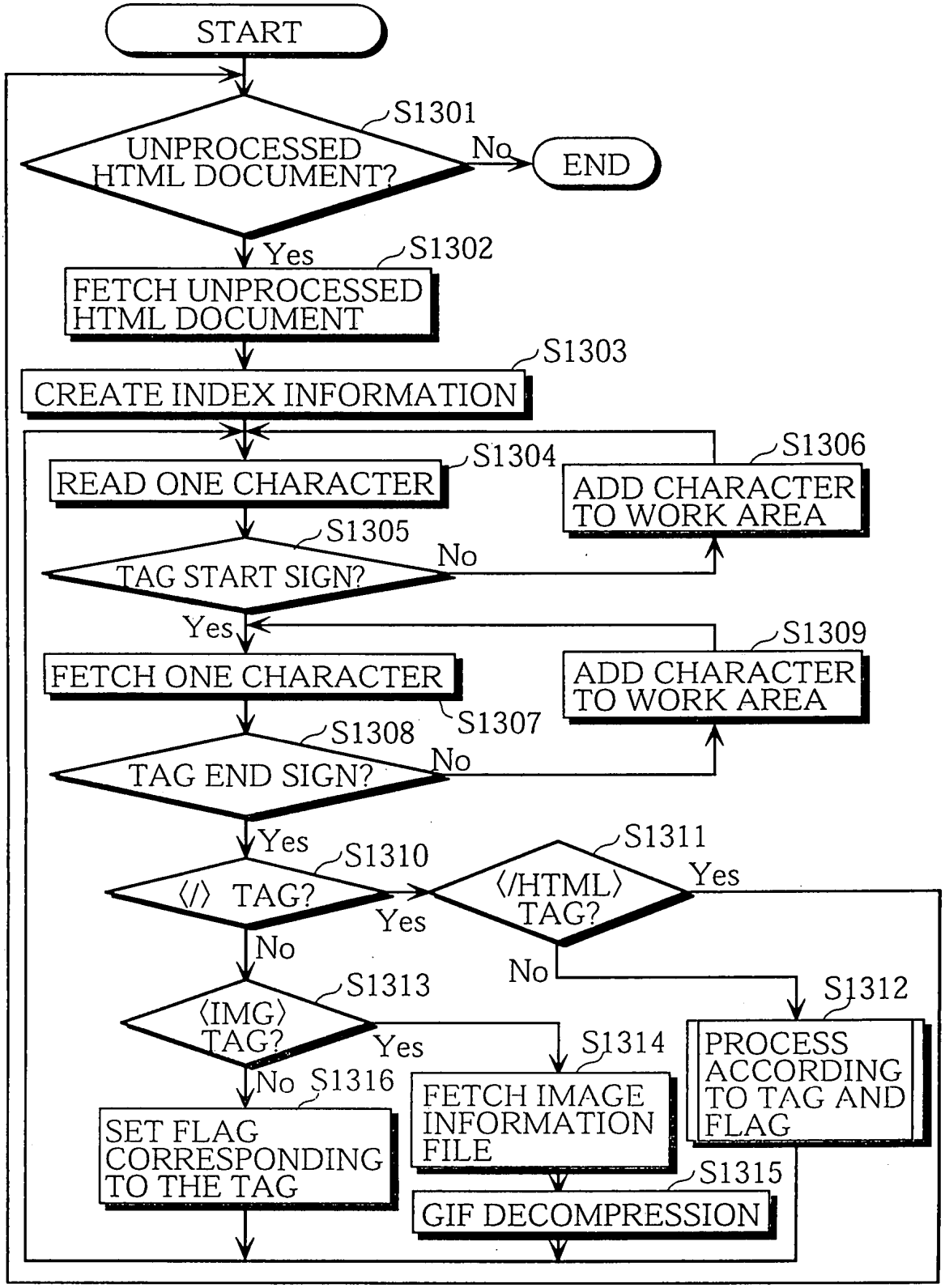
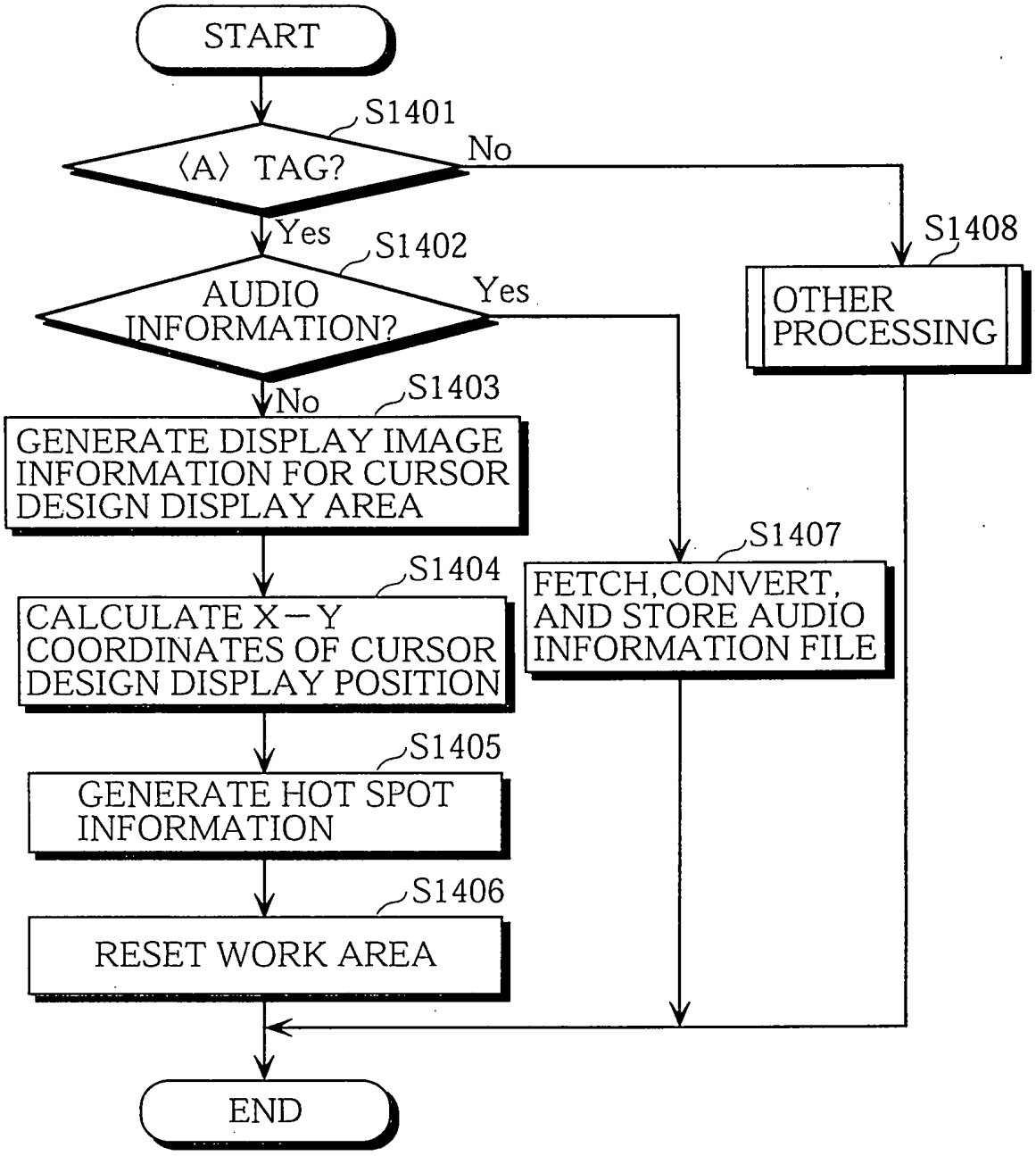


FIG. 14


START
S1301
UNPROCESSED HTML DOCUMENT?
No
END
Yes
S1302
FETCH UNPROCESSED HTML DOCUMENT
S1303
CREATE INDEX INFORMATION
S1304
READ ONE CHARACTER
S1305
TAG START SIGN?
No
Yes
S1306
ADD CHARACTER TO WORK AREA
FETCH ONE CHARACTER
S1307
S1308
TAG END SIGN?
No
Yes
S1309
ADD CHARACTER TO WORK AREA
S1310
〈/〉 TAG?
Yes
No
S1311
〈/HTML〉 TAG?
Yes
No
S1312
PROCESS ACCORDING TO TAG AND FLAG
S1313
〈IMG〉 TAG?
Yes
No
S1314
FETCH IMAGE INFORMATION FILE
S1315
GIF DECOMPRESSION
S1316
SET FLAG CORRESPONDING TO THE TAG

O.C. FIG.
CLASS - SUBCLASS

FIG. 15



2450880

O.G. FIG. CLASS SUBCLASS BY

FIG. 16

CURSOR NO.	DISPLAY POSITION(X,Y)
1	(100, 600)
2	(100, 700)
3	
4	
5	

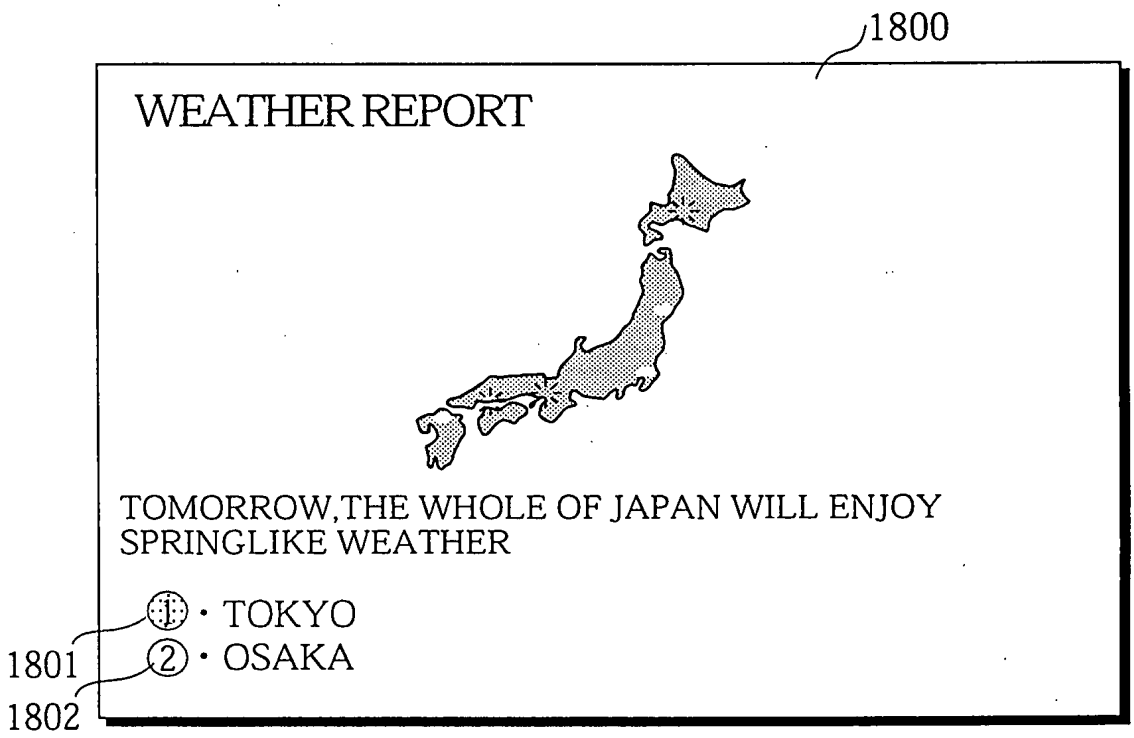
FIG. 17

DESIGN INFORMATION

CURSOR NO.	SELECTED	NOT SELECTED
1		①
2		②
3		③

U.S. PTO.
CLASS : SUBCLASS

FIG. 18



O.G. FIG. | CLASS | SUBCLASS

US 2005/0265250 A1 Dec. 1, 2005

FIG. 19

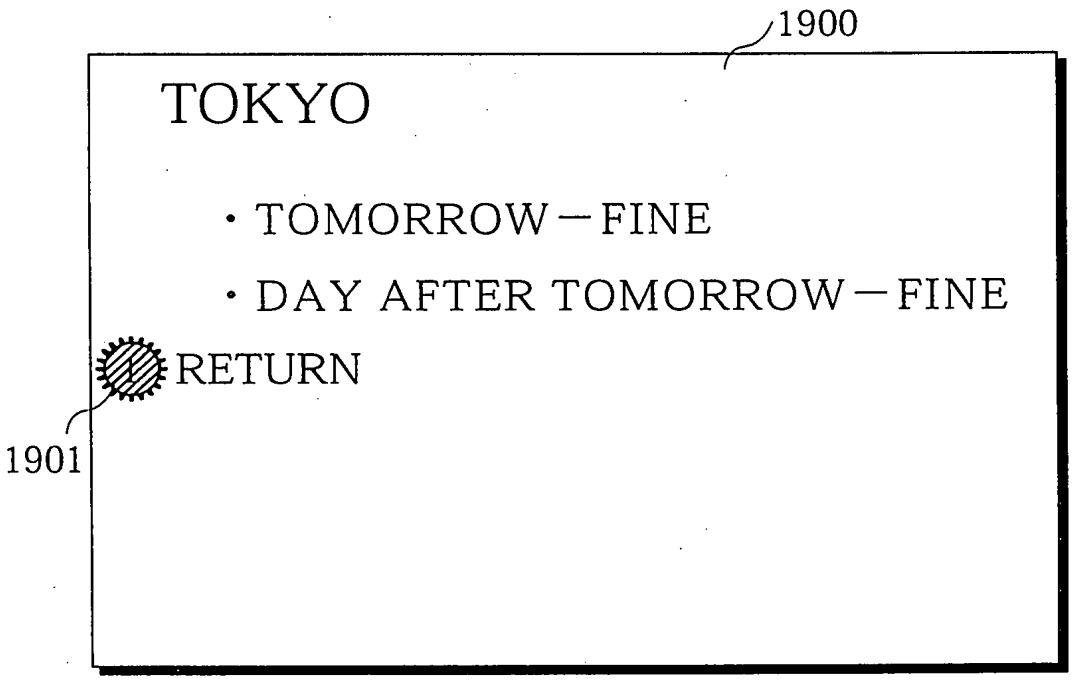


FIG. 20

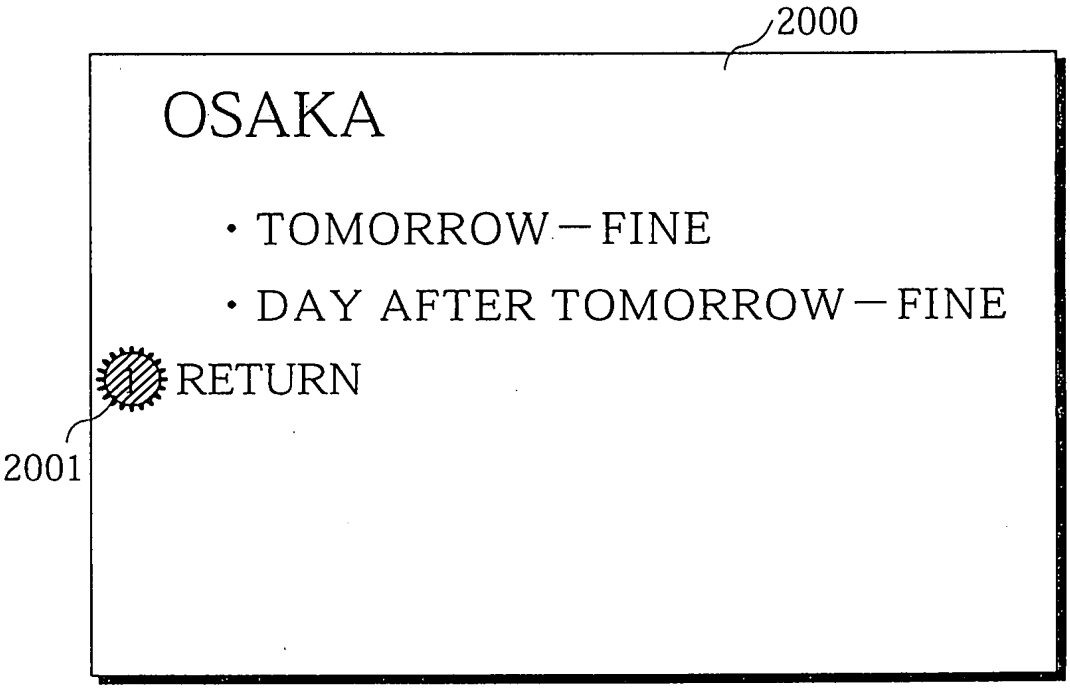


FIG. 21

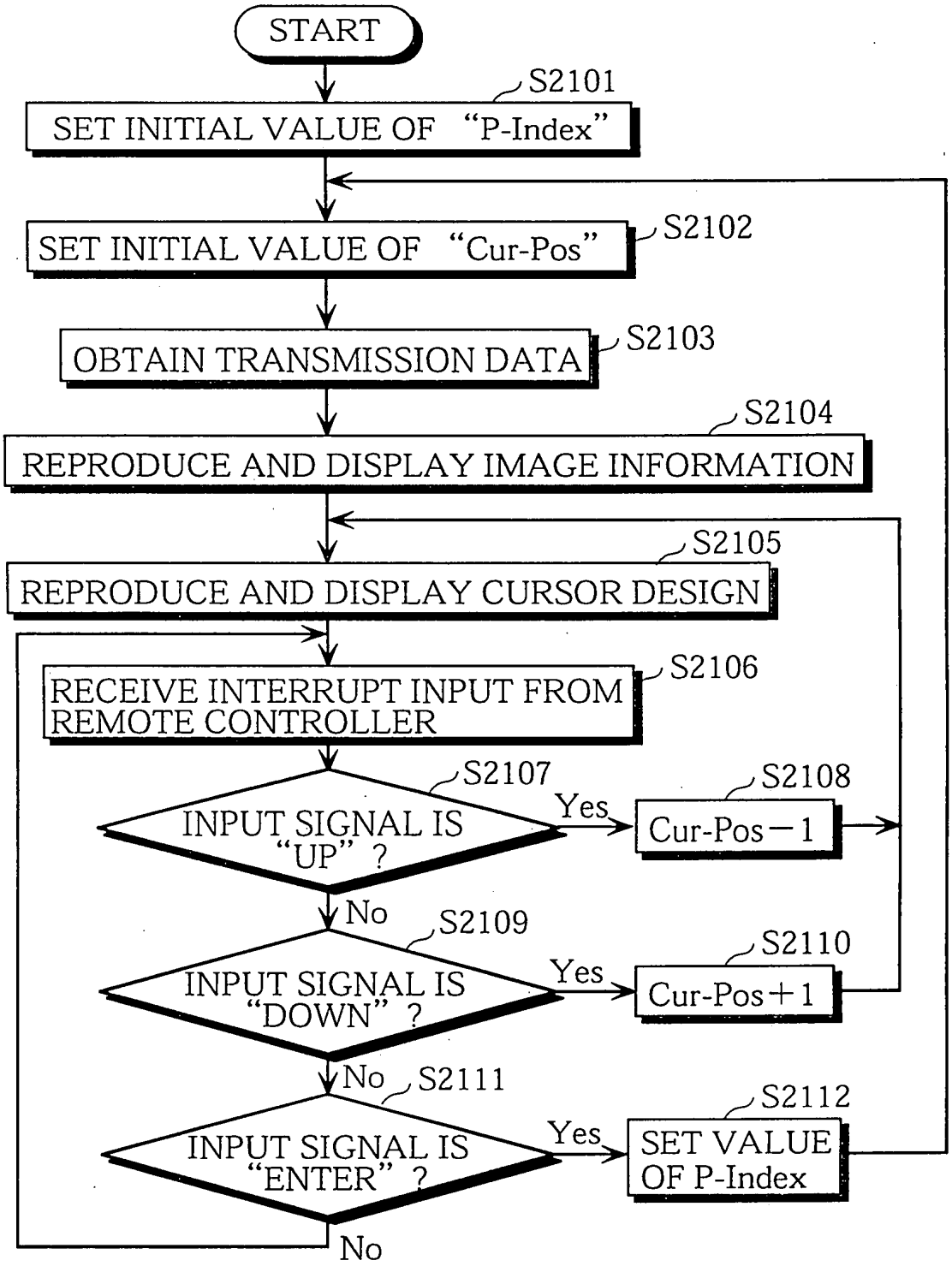

START
S2101
SET INITIAL VALUE OF "P-Index"
S2102
SET INITIAL VALUE OF "Cur-Pos"
S2103
OBTAIN TRANSMISSION DATA
S2104
REPRODUCE AND DISPLAY IMAGE INFORMATION
S2105
REPRODUCE AND DISPLAY CURSOR DESIGN
S2106
RECEIVE INTERRUPT INPUT FROM REMOTE CONTROLLER
S2107
INPUT SIGNAL IS "UP" ?
Yes
S2108
Cur-Pos−1
No
S2109
INPUT SIGNAL IS "DOWN" ?
Yes
S2110
Cur-Pos+1
No
S2111
INPUT SIGNAL IS "ENTER" ?
Yes
S2112
SET VALUE OF P-Index
No

FIG. 22

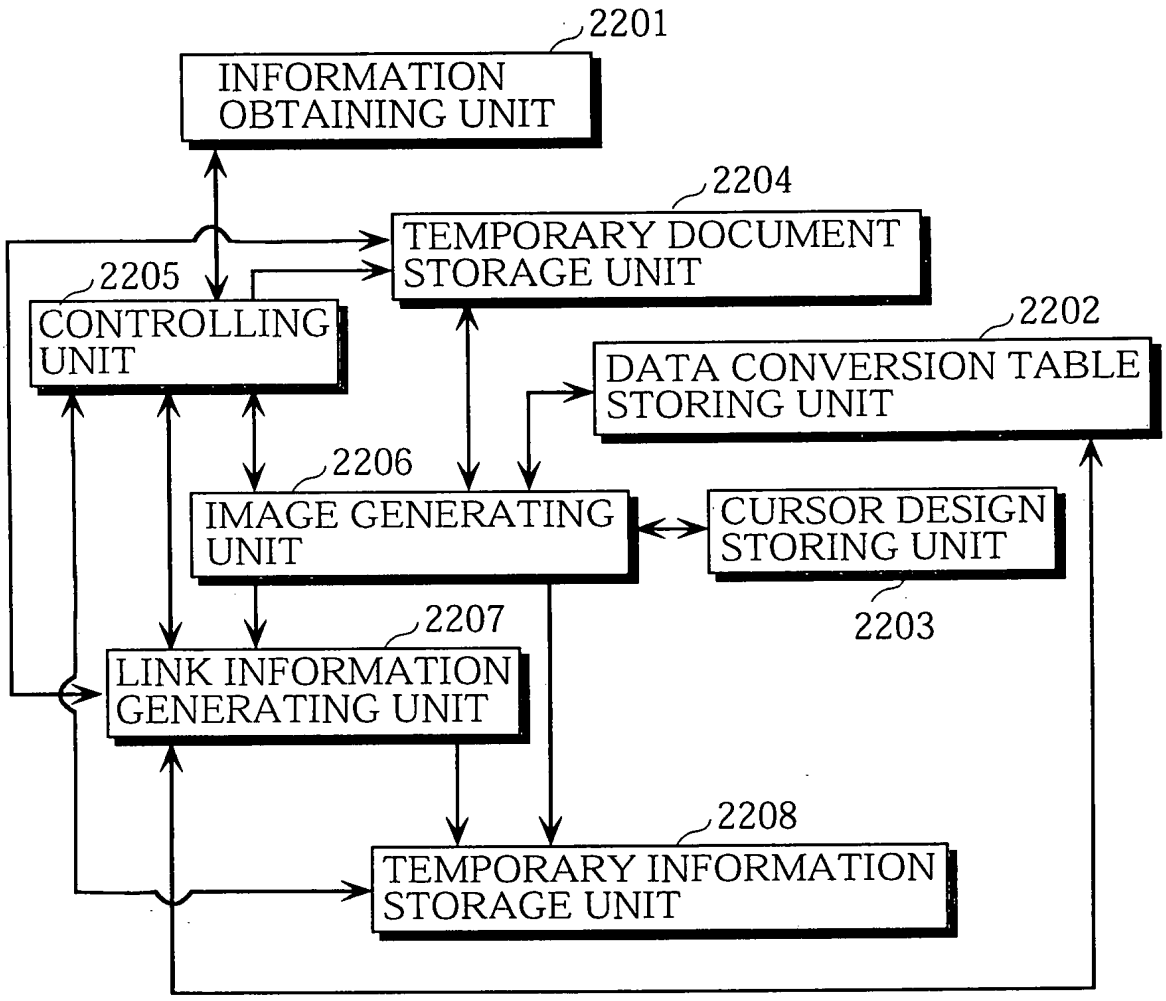

2201
INFORMATION OBTAINING UNIT
2204
TEMPORARY DOCUMENT STORAGE UNIT
2205
CONTROLLING UNIT
2202
DATA CONVERSION TABLE STORING UNIT
2206
IMAGE GENERATING UNIT
CURSOR DESIGN STORING UNIT
2203
2207
LINK INFORMATION GENERATING UNIT
2208
TEMPORARY INFORMATION STORAGE UNIT

FIG. 23

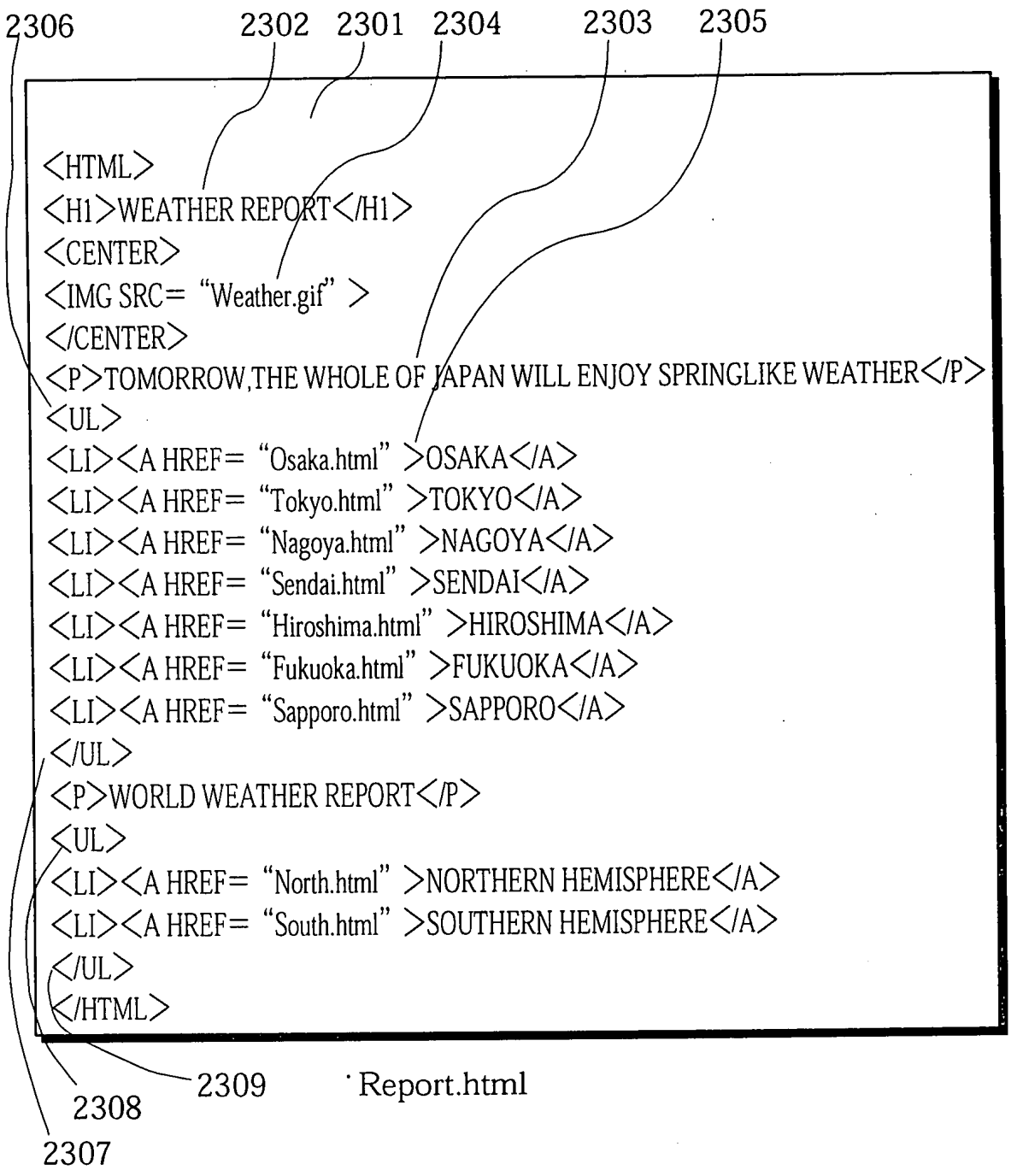

2306
2302
2301
2304
2303
2305
<HTML>
<H1>WEATHER REPORT</H1>
<CENTER>
<IMG SRC= "Weather.gif" >
</CENTER>
<P>TOMORROW,THE WHOLE OF JAPAN WILL ENJOY SPRINGLIKE WEATHER</P>
<UL>
<LI><A HREF= "Osaka.html" >OSAKA</A>
<LI><A HREF= "Tokyo.html" >TOKYO</A>
<LI><A HREF= "Nagoya.html" >NAGOYA</A>
<LI><A HREF= "Sendai.html" >SENDAI</A>
<LI><A HREF= "Hiroshima.html" >HIROSHIMA</A>
<LI><A HREF= "Fukuoka.html" >FUKUOKA</A>
<LI><A HREF= "Sapporo.html" >SAPPORO</A>
</UL>
<P>WORLD WEATHER REPORT</P>
<UL>
<LI><A HREF= "North.html" >NORTHERN HEMISPHERE</A>
<LI><A HREF= "South.html" >SOUTHERN HEMISPHERE</A>
</UL>
</HTML>
2309
Report.html
2308
2307

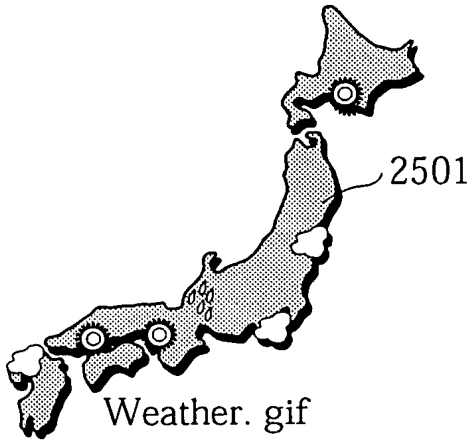
FIG. 24

2401

```
<HTML>
<H1>OSAKA WEATHER</H1>
<UL>
<LI>TOMORROW－FINE
<LI><A HREF="Osaka_week.html">WEATHER FOR WEEK</A>
<LI><A HREF="Osaka_month.html">WEATHER FOR MONTH</A>
</UL>
<LI><A HREF="Report.html">RETURN</A>
</HTML>
```

Osaka.html

FIG. 25



Weather. gif

FIG. 26

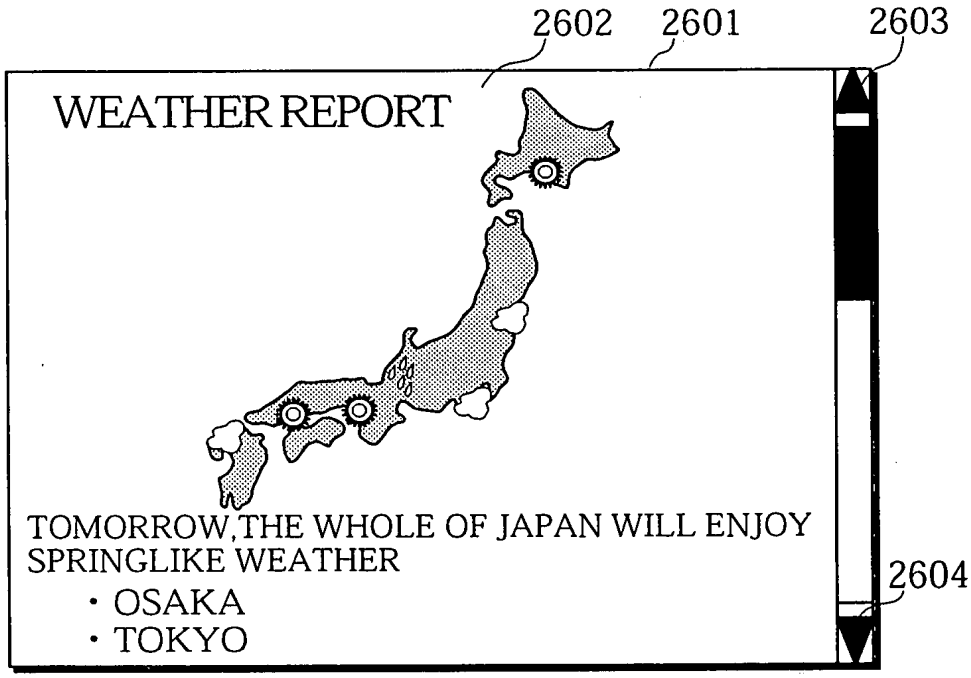
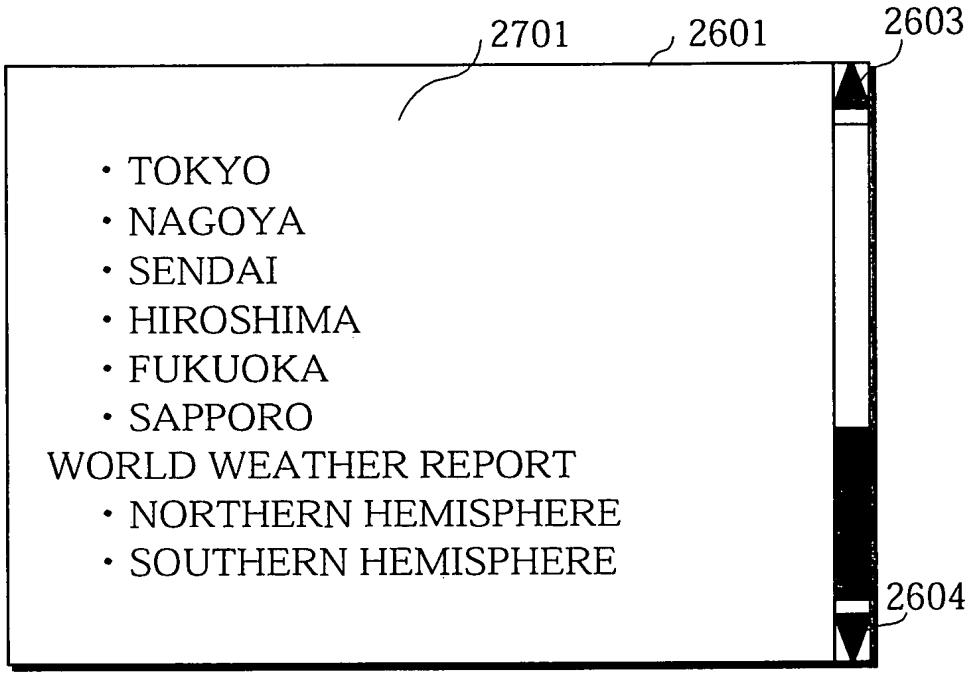

2602
2601
2603
WEATHER REPORT
TOMORROW,THE WHOLE OF JAPAN WILL ENJOY SPRINGLIKE WEATHER
・OSAKA
・TOKYO
2604

FIG. 27


2701
2601
2603
・TOKYO
・NAGOYA
・SENDAI
・HIROSHIMA
・FUKUOKA
・SAPPORO
WORLD WEATHER REPORT
・NORTHERN HEMISPHERE
・SOUTHERN HEMISPHERE
2604

C.S. FIG.
CLASS SUBCLASS

FIG. 28

2802 TAG	2803 STARTING POSITION	2801 FONT SIZE	2804
<H1>	x=10 y=10	(80,80)	
<P>	x = 10	(30,60)	
<LI>	x = 10	(30,60)	
⋮	⋮	⋮	

FIG. 29

	2901 BEFORE CONVERSION	AFTER CONVERSION
2902	FILE NAME	Index("FILE NAME")
2903	<A HREF= "FILE NAME" >	HotSpot(M "FILE NAME")
	⋮	⋮

FIG. 30

INDEX NO.	CURSOR DESIGN
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

3002 3001 3003

FIG. 31

FIG. 32

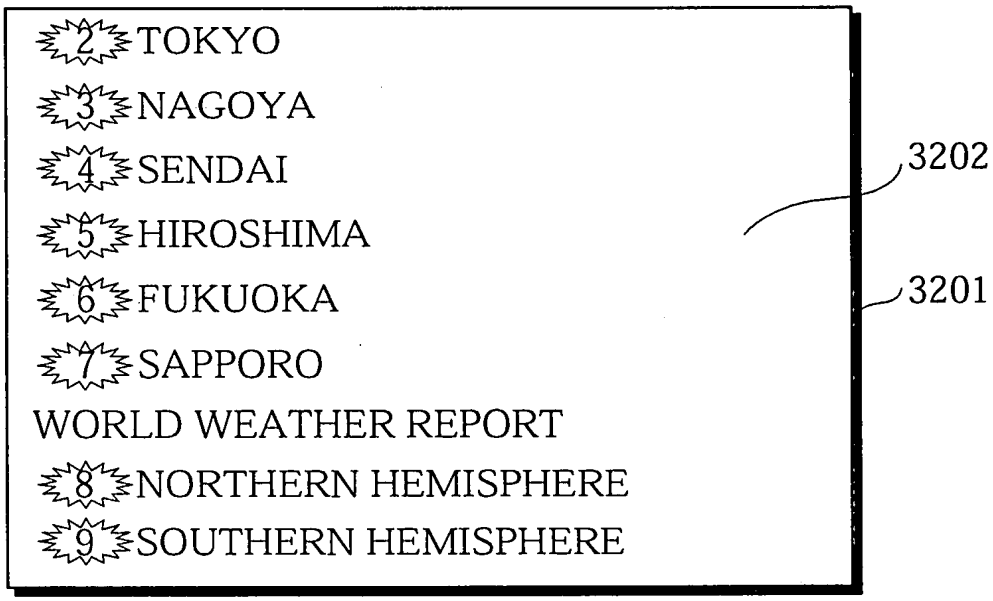

2 TOKYO
3 NAGOYA
4 SENDAI
5 HIROSHIMA
6 FUKUOKA
7 SAPPORO
WORLD WEATHER REPORT
8 NORTHERN HEMISPHERE
9 SOUTHERN HEMISPHERE
3202
3201

FIG. 33

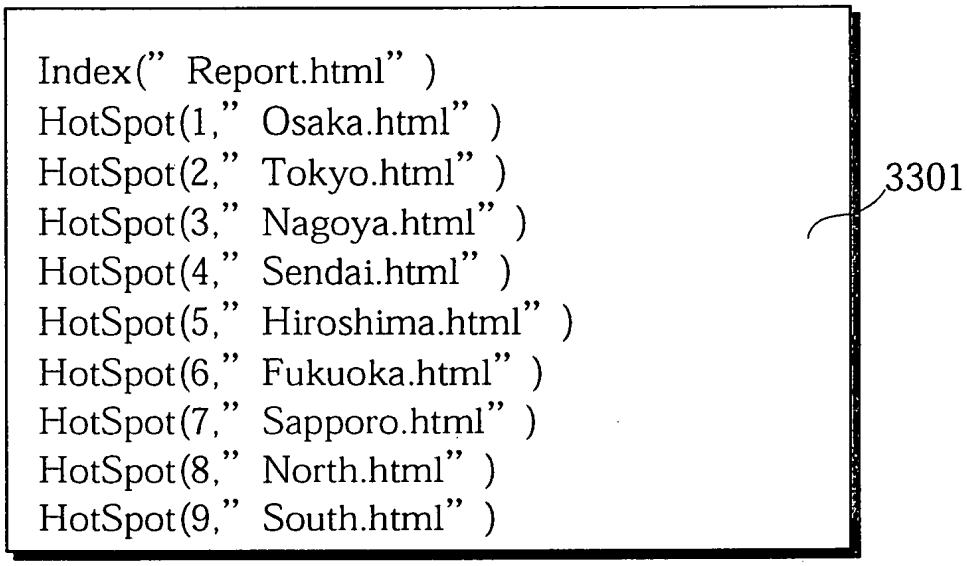
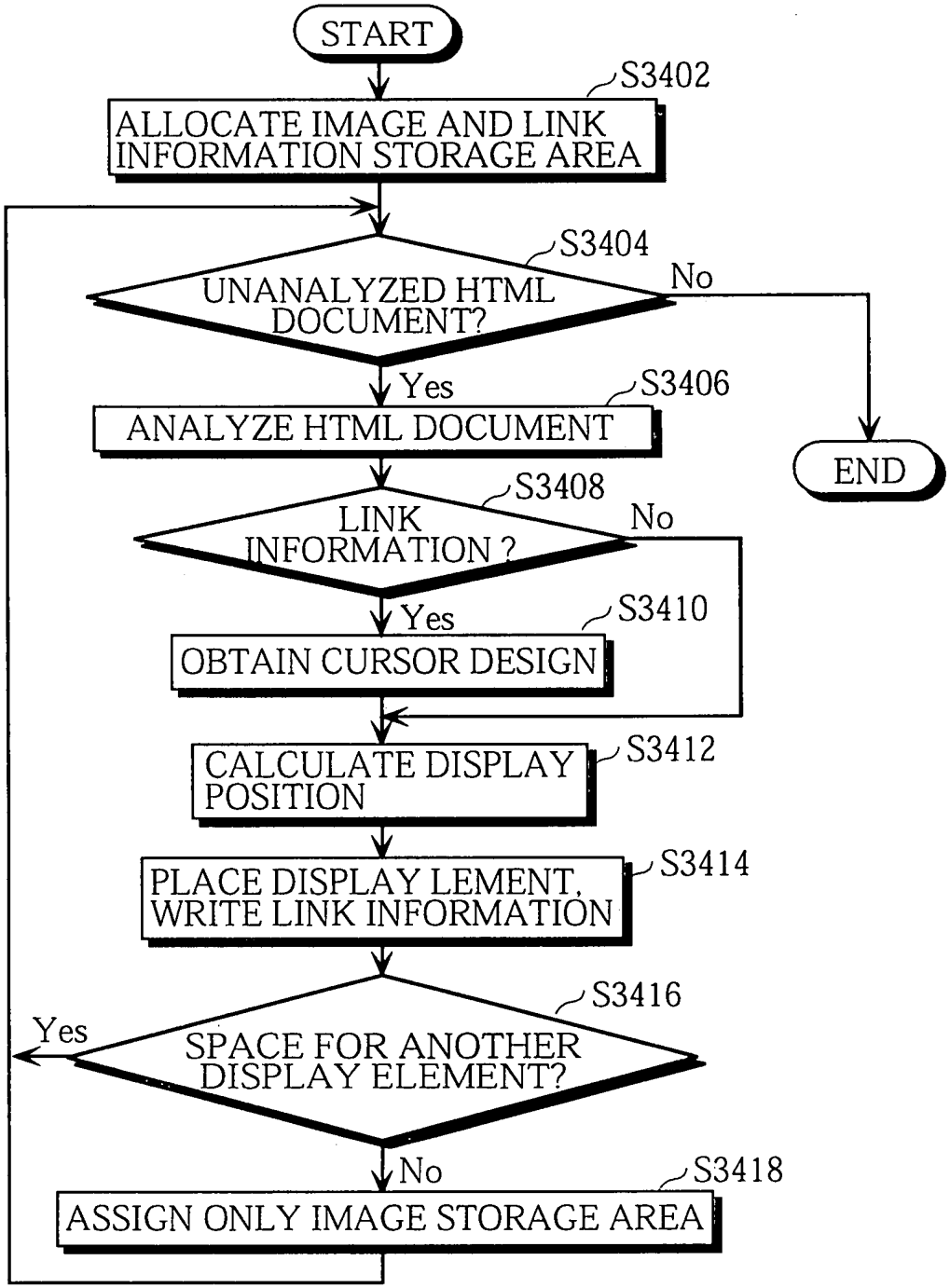
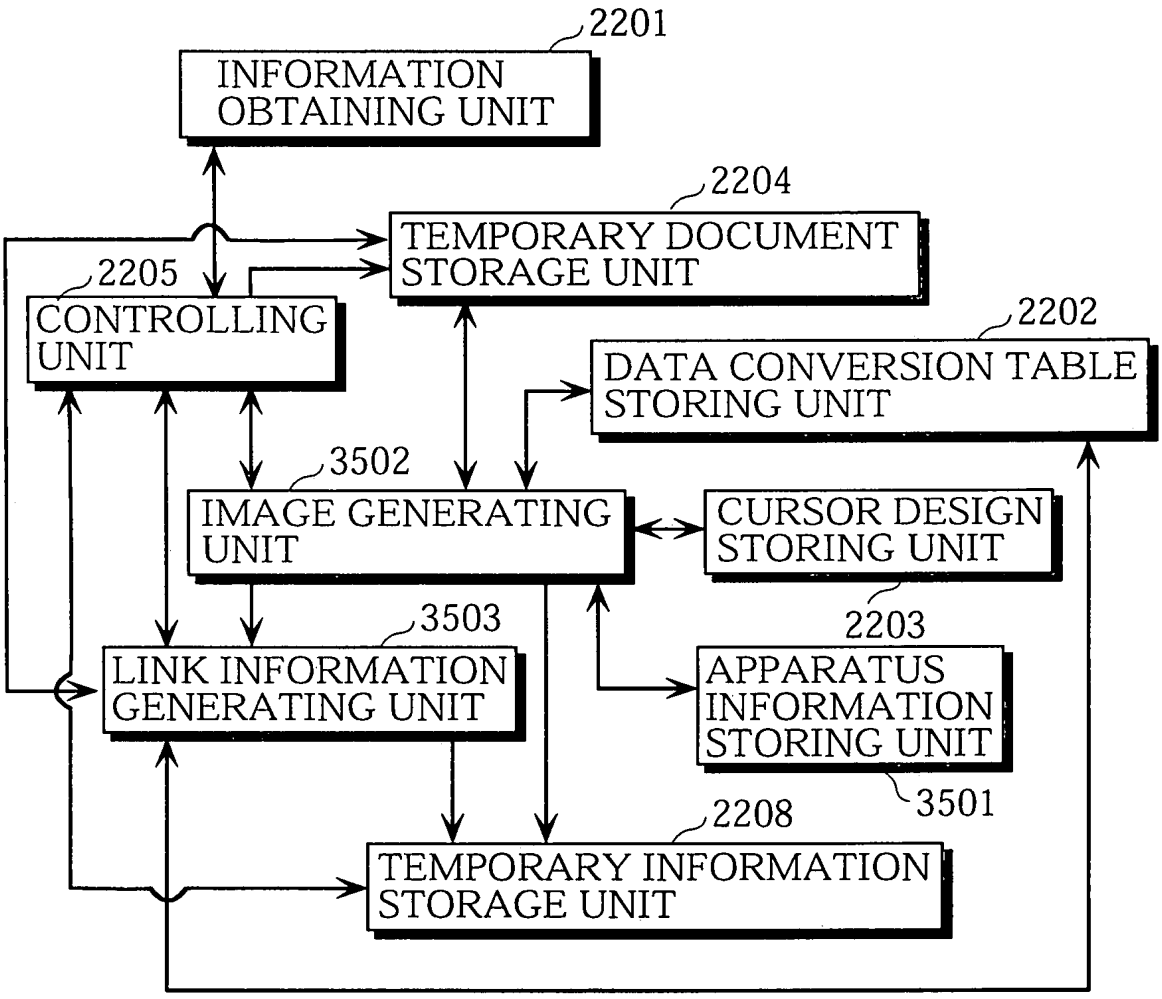

Index(" Report.html")
HotSpot(1," Osaka.html")
HotSpot(2," Tokyo.html")
HotSpot(3," Nagoya.html")
HotSpot(4," Sendai.html")
HotSpot(5," Hiroshima.html")
HotSpot(6," Fukuoka.html")
HotSpot(7," Sapporo.html")
HotSpot(8," North.html")
HotSpot(9," South.html")
3301

FIG. 34


START
S3402
ALLOCATE IMAGE AND LINK INFORMATION STORAGE AREA
S3404
UNANALYZED HTML DOCUMENT?
No
Yes
S3406
ANALYZE HTML DOCUMENT
END
S3408
LINK INFORMATION ?
No
Yes
S3410
OBTAIN CURSOR DESIGN
CALCULATE DISPLAY POSITION
S3412
PLACE DISPLAY LEMENT, WRITE LINK INFORMATION
S3414
S3416
Yes
SPACE FOR ANOTHER DISPLAY ELEMENT?
No
S3418
ASSIGN ONLY IMAGE STORAGE AREA

O.G. FIG.
CLASS SUBCLASS

FIG. 35



O.G. FIG.
CLASS
SUBCLASS
BY
EXAMINER
4652509 "29 05 98 08:50 PM

FIG. 36

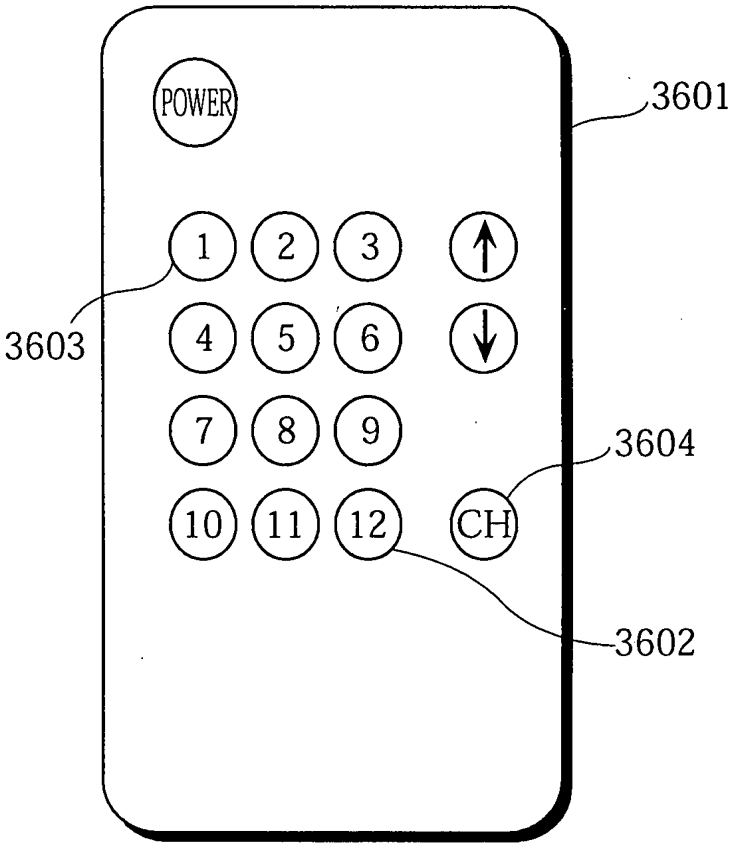
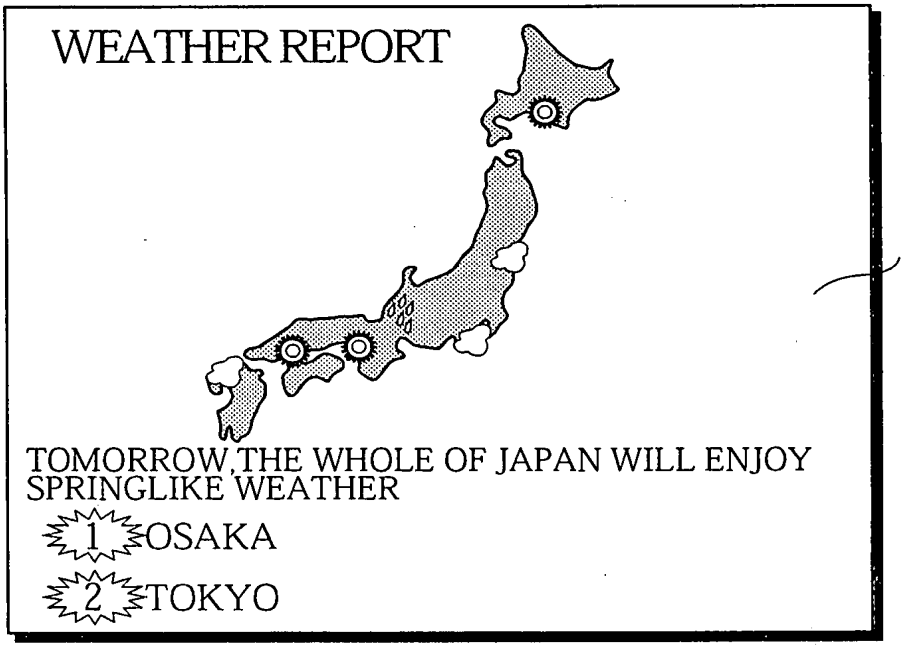
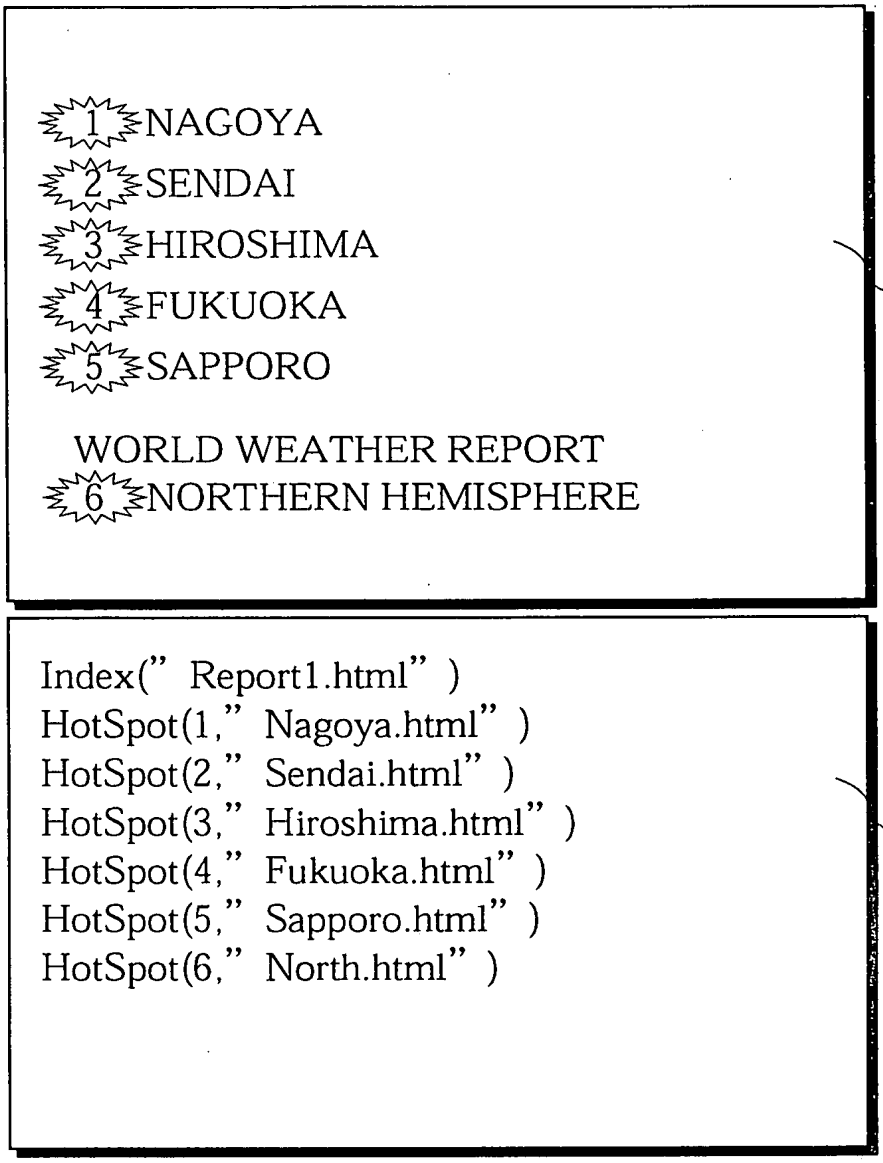


FIG. 37


WEATHER REPORT
TOMORROW,THE WHOLE OF JAPAN WILL ENJOY SPRINGLIKE WEATHER
1 OSAKA
2 TOKYO
3701
Index(" Report.html")
HotSpot(1," Osaka.html")
HotSpot(2," Tokyo.html")
3702

O.G. FIG. | CLASS | SUBCLASS
BY

FIG. 38



O.G. FIG.
CLASS
SUBCLASS

2652250 - 2605990

FIG. 39

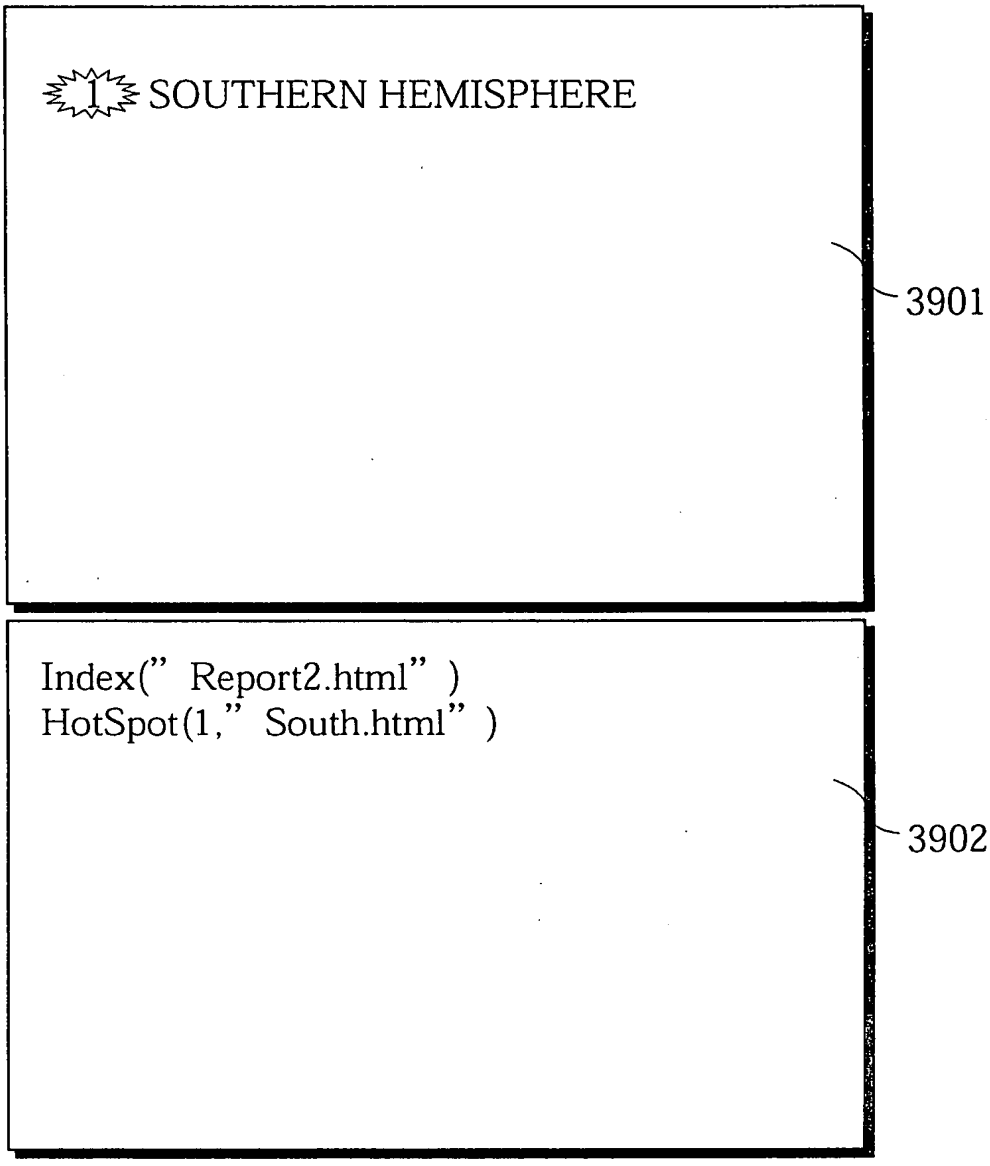


FIG. 40

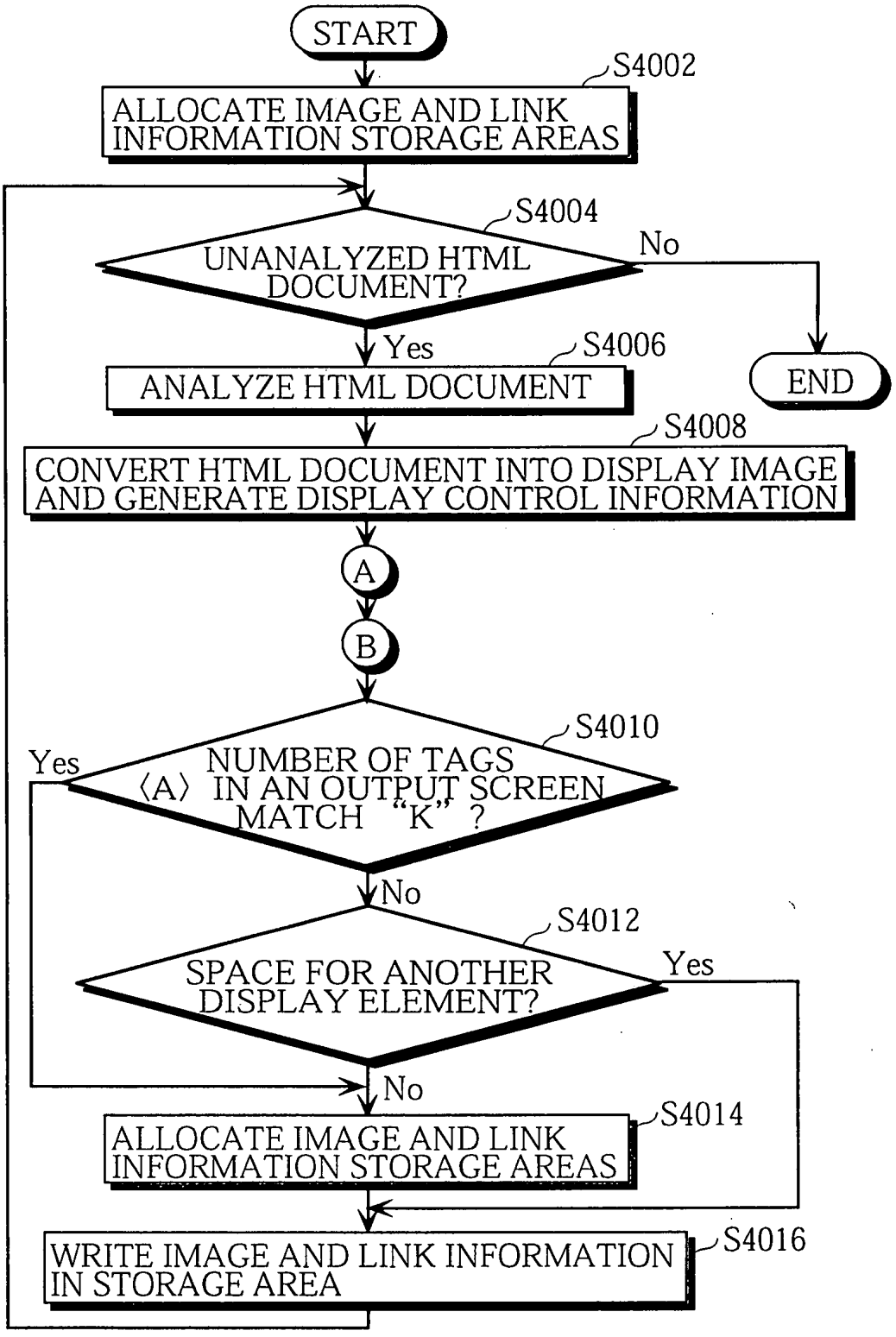
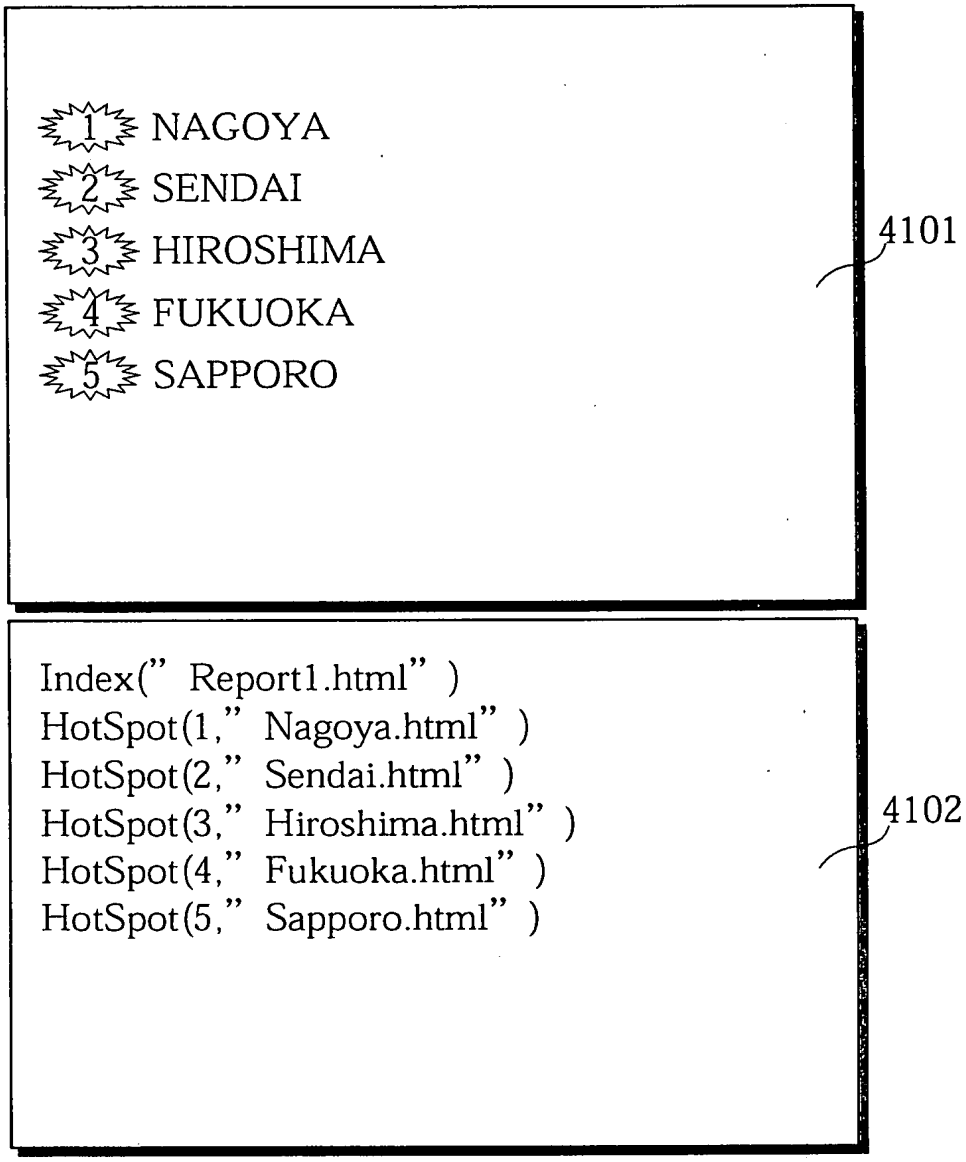

START
S4002
ALLOCATE IMAGE AND LINK INFORMATION STORAGE AREAS
S4004
UNANALYZED HTML DOCUMENT?
No
Yes
S4006
ANALYZE HTML DOCUMENT
END
S4008
CONVERT HTML DOCUMENT INTO DISPLAY IMAGE AND GENERATE DISPLAY CONTROL INFORMATION
A
B
S4010
Yes
NUMBER OF TAGS 〈A〉 IN AN OUTPUT SCREEN MATCH "K" ?
No
S4012
SPACE FOR ANOTHER DISPLAY ELEMENT?
Yes
No
S4014
ALLOCATE IMAGE AND LINK INFORMATION STORAGE AREAS
S4016
WRITE IMAGE AND LINK INFORMATION IN STORAGE AREA

FIG. 41


1 NAGOYA
2 SENDAI
3 HIROSHIMA
4 FUKUOKA
5 SAPPORO
4101
Index(" Report1.html")
HotSpot(1," Nagoya.html")
HotSpot(2," Sendai.html")
HotSpot(3," Hiroshima.html")
HotSpot(4," Fukuoka.html")
HotSpot(5," Sapporo.html")
4102

G.6. FIG.
CLASS SUBCLASS

FIG. 42

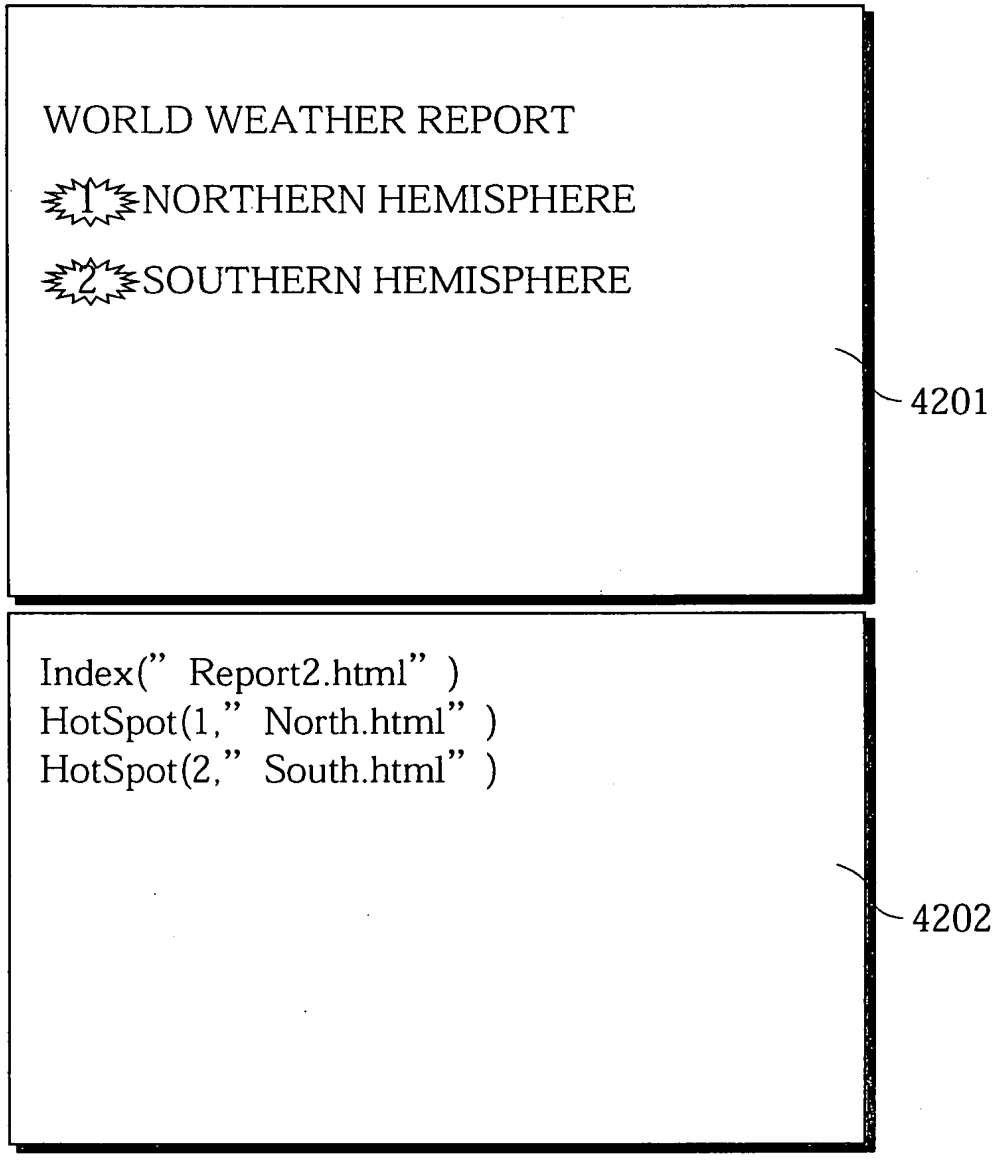
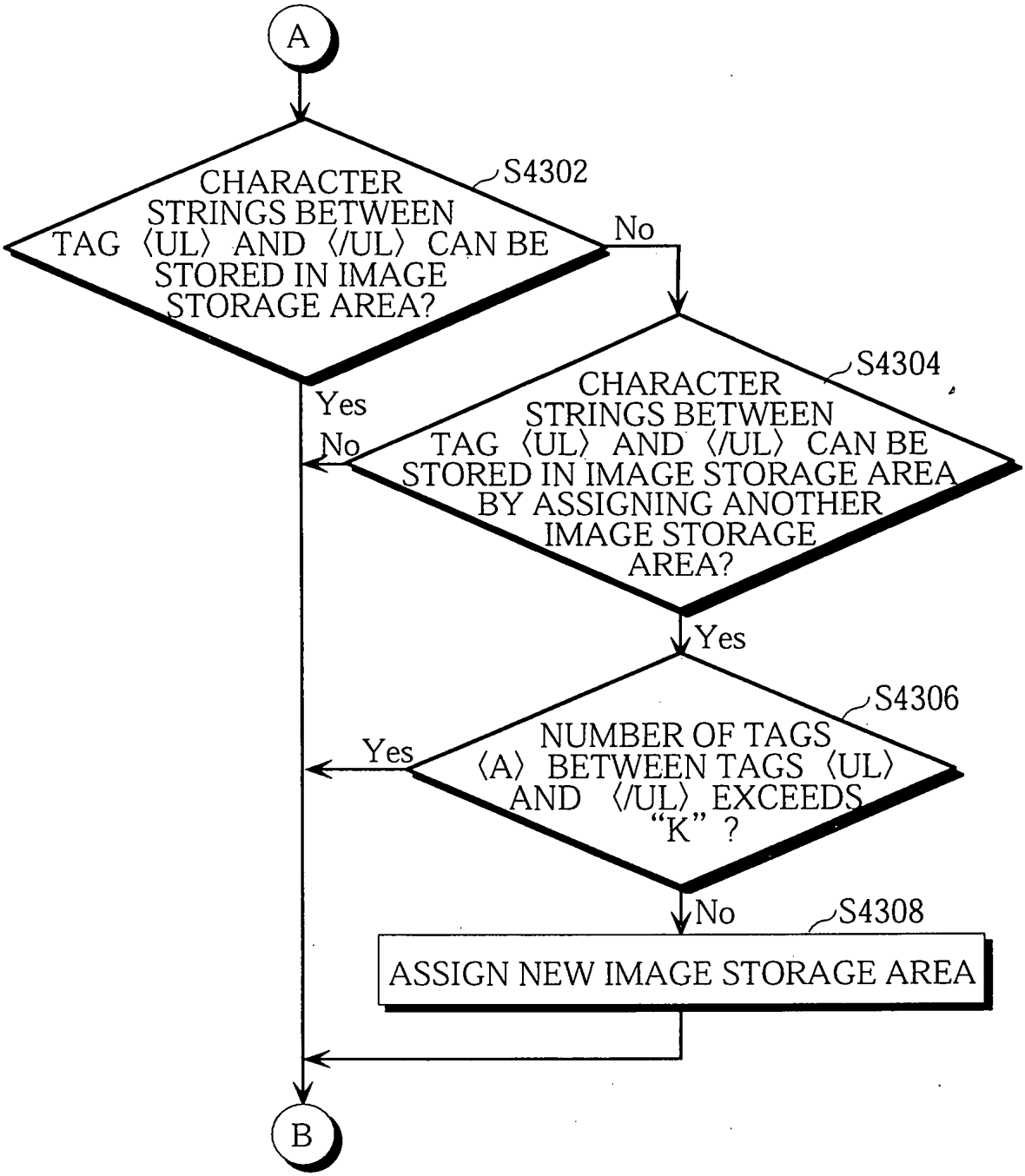


FIG. 43


A
S4302
CHARACTER STRINGS BETWEEN TAG 〈UL〉 AND 〈/UL〉 CAN BE STORED IN IMAGE STORAGE AREA?
No
Yes
S4304
CHARACTER STRINGS BETWEEN TAG 〈UL〉 AND 〈/UL〉 CAN BE STORED IN IMAGE STORAGE AREA BY ASSIGNING ANOTHER IMAGE STORAGE AREA?
No
Yes
S4306
NUMBER OF TAGS 〈A〉 BETWEEN TAGS 〈UL〉 AND 〈/UL〉 EXCEEDS "K" ?
Yes
No
S4308
ASSIGN NEW IMAGE STORAGE AREA
B